

APPENDIX B: AMINO ACID SEQUENCES

> RXA00003 (1-741, translated) 247 residues

VQVRILSSEL VCSLSGAIRG VNLDIAAPKP KSGRRTLTG PEWDAVIKHL LTRDTEPLLT
 PTKHKNIQSQ TKNIHARIVR LTLLQAVSGL RIAEANQLQW KHIIDGDDGM LINASADIVK
 GRKGKERGRY IPILRADVAE YLRTHREDDE HFIVGSPTTT ARPWDATNAD DKVPELYRQI
 AEATGVKTLQ DLRSHSWRAT LHGVYADVMD PATRAAIFGH TEQVAEEYYN DRQNIESLMR
 QVKRAYA

> RXA00008 (1-492, translated) 164 residues

MAKKKKKVDE NNSVLATNRK ARHDYHIIDT WEAGVLLGT EIKSLREGKV SLVDSFATID
 NGEIWLQHLH IPQYSMGSWT NHTPKRTRKL LLHRNEIDSL MGKVRDGNRT LVPLKLYLKN
 GRVKLELGLA QGKQDYDKRQ DIKRRTEERE VTRELGRRIK GINA

> RXA00015 (1-309, translated) 103 residues

MIDMCTTPRQ EIMIREQFKE INNGRVVPHY DQLEQLAEIF STKDSIDMVN EILNRDITDFL
 SNEGTFMEY IFNGGFHTDN GYQPLSYAYV ERGLAIRPPR IVL

> RXA00018 (1-1299, translated) 433 residues

MSALSRPHKI ATGVAVATLT LTLCTSAAGV VHAAQQSISG PESSCAFNQQ RWDDSKVKLD
 DTIATAKNSL VQTGELHRNE QDLLTGYLEFQ QPHSSNYLAL NNAYADAVAI KDSFVRPTCD
 GSKEKSIASE HAVSEVVGAV NVLARAQKAL QINSPTYEQQ RRCDALRLAS RDESVDLMRI
 DRTMLQLRRT LADIDQASTD IRDIRAQTTT FERDLAREQK EADAAAAQA VDTSTPTSS
 TEDRVNDILK ESRTDHSGDS YTRSTTTSAQ STEPDSATNT SYLSRRLDSL ERSAQHIDLN
 TQCDNLDDLRL ELTNNDTRDH TGSVISIADQ LTDITNEINE LRDSTFATRD SAQQAQDQVI
 AQREELQRAK EARLEEQLRA KEAEEGARNA AIQERDAAEA ALREAQDLLS RLDDTGNATS
 DDTAALVDGL LNN

> RXA00020 (1-780, translated) 260 residues

MTVTTAQRIA DEFQRGISIG PWDLCEVPAG DDYLEHTTKV RRRHSTAVEI HTDSLIIICAP
 EGSTYSHNRT KAGLASTGTV TVPVKGLSEP VKLSLNLALD YGNSFDTVHD DLWQRELREQ
 TRGQLLTNA VSGLGDDSVV IMGTPWGDGL TGEANTIKGR EHFVMWAAGC RFEDGYGRHA
 LREDRHRVHQ ARAGEDSTAH HGWLLKGTVF GKELTGDAVT AAMTVFSDVV VTVDEGRIPG
 MKSQPFPSMA TRLRASSAPV

> RXA00021 (1-1773, translated) 591 residues

MSDTTDSHPD ATSPTVDSAA SGTSDPNQQP KKKFTIHKQV NMIARTAIID CINRLGPDVV
 TMSSEDIADQ VVNSINVAIA RENTRAQDAN AAVRYTPIFK LDFSHVAVLM RRLHVIINIA
 PSHNSDPDS MLAIYDPNPR SEHYGIYRTS EAEIRRVARE YCPDLTSAQF RELQMALSDA
 APRKVRHKQR DLIPVKNIGF NYSTKQLEPF SQEFVFLAKS AVNYPNAQN PVITHPQDGS
 VWDVESWMND LSDDPEVVNL LWEIIGAIVR PYVSWNKSAA FYSEAGNNGK GTLVELMRNI
 LGAEAYTSIQ LSDFSKEFHL ESLTRAQAIL VDENDVGAFL EKSANLKAIV TNDVISINRK
 HKTMLSYQFY GFMVQCINGF PKVKDQSEF FRQLFVPFE KSFTGAERKY IKDDYMSRTD
 VLEYVLHRLV HMNYDNLSTP AAALAVLDEY KEFVDPVRAF WNEFSDQFVW DLLPLQFLYE
 FYRKWFDRDS PSGSVLGKRS FIQKITTIAV DSGQWEYPLT AQRPGGDMV PEPLVIDYDL
 TEWQNATVPK GHVNKGLPLP LKANYRGLLR KPLTTPATPP AAPVNPTPPT P

> RXA00022 (1-735, translated) 245 residues

MSAPTIYPGT KTSIDPITMD DARIIFFDIE SLHNIFTVAT YDSLSSHVDV FYLLDHTTSP
 QITVLPHSMD YFDQTRSDAV MAIIIEQNPA FAEIKGSPIT TADVALHNLG DTNANRRWQS
 NVLLARLLGG ISVRGEVPEH QSHNHLAKQF AEATLVTRDF DVNYDPTSAH PFTAGFNSIN
 YDTTLLSLYF AMLTSNIGST PTYFPVITAQ ELRAHNDKLF SPEFIKNMPK YFWDRDSGAG
 LRAAS

> RXA00025 (1-1437, translated) 479 residues

MAWMNVSVIV PGSDEELFVK GLFTGEGLTW LTTNLGANYI GFPPLLTVLP ILLAVGVAER
 SGMLAALIRK LFGSAKKIVL PYAVGVIGVT ASIMADAAV VVPPLAAMVF KAAGRHPVAG
 LLGSFAAVGA GYSTAIVPTS LDALFAGITN AVMETLPGIA TTEVNPVSNY YFNIASSIVL
 GLLCGFLIDK VLEPRMWRQK IATEYAESIE PTSAADDEEI SATLTAQENR ALTISMWTTL
 ATAIIVLVVV LIPGSPWRNE DGGFLPTSPL LSSVVFIVFL FFMVMGLAYG MVVGTIKNMD
 DVVNMMEAI KDMIGFLVLA FILGQFVALF NWTGIGTWTVA VQGAAGLEAI GLTGFPALIA

FIILASCLNL LIISGSAMWT LMAAVFVPMF ALLGYEPSFI QAAFRVGDSA TQVITPLNPY
MIVILGLLRR YEPDAGLGLT MSRLIPFVIP FWLAWATLLA IWFYADLPLG PGSAIFLEG

> RXA00027 (1-366, translated) 122 residues
VDERSRFARS VFPDGEEDP RFTLANERTF LAWTRTSLAF LAGGIAFEAF QISGLSDTVR
TTIAVFIIAV GMIIAAGAAV RWMNVERAMR KQKPLPVPAL IPFLSIAALV ASAAVLVLII
VQ

> RXA00028 (1-1947, translated) 649 residues
MTLTASSLEA GKMSFSGGYI VGETMIFLVD PDEVEIRRSF NSLHVLNRGS DILRRNEHHC
WVFENFNKPI DPPVRLGPRD IICPSALAWV LQQHSISRSL SHHLHADKIT AGEIAGRPTW
ILREPTSGG QDPSRLVSLE IDQEHGVILA VETGQERLEA TEISFPDTLP NPSWDGAWEP
FHYPDSTPHT APDVAEIPGY IQSLPPQSED PRRLRVFVNE IALEGDFPDY RQGQSVRLTL
GISSSPVPLE GMTTRRRGRV RNLGEEASPG DDGMPQWPIL LTGDGWTALA YTPIPKRGDA
EIQGWFFYYA YGIVDVPTDL RVERIFAGIG TSGTNERLWQ EIDNTSSAYH SEDWWIRDV
LDVTLDGAVP PPLRRDVFTA VDPIVAGDKL WLCDVHFVPA RCWETTTGRY LGQTLXPAPL
RDRSYVLEH SDQQLGAVAA SGKSGWILTP GQAVATKAPD WTPPTRATDL PQVPSPWEIV
AVRGQGLFEL QVETSRRTAL GRVNATGGVD IGELPPNGYT ISSVVQIGDE YIVGRWVEEY
RLNSKLEVIS TKELDISASG WSKSGTVAYL SEDTHICFFD QVSGAELPSL GIAEGHQGEV
MSATSSSESIV LIYRRNPNS MSIVPTSVAT YDNGTWTMP LQEAPAEIS

> RXA00031 (1-402, translated) 134 residues
VAAGQWLAGN IGEIDHVLCS DATRTQLTWE RVQLGGATAK GSSFHNDIYE NQVSEFKHLI
TGLPDVVGTA LLIGHWPGVE ELAHYFGIRD EHPGWDQMEK KFPTSAIAVL EFNTPWSKLE
RNSARLTDFV IPRG

> RXA00036 (1-1416, translated) 472 residues
MLERTQVFVD TSYLLASFYN SWETGARAQL EIDLPEVVGV LGRMIEQQLK QPVQRQMWDY
GIPDSGPHRY QRALRTCDGV QLRAGQLIEW GERRTQKAVD TRLVADLVLA GVRGQCSDIV
LVSGDADMIP GVQEAANAGL RVHLYGFGWD SMSSQLRHCC DTTTILDPRE DFAECMQQLV
LEGPLPPVVR VKPINDAEPI EDLDFTPVPG VASPFEEVSA KDEKFSRPS EPAEALSEQV
CEAQYEISKH EGQTADSGEI TESFEAAEIK VTEFFGEPA PVAESGVEAP TPEAPTVEAP
AKPTPAKPKT PKAEPQKQES PKPGTPKPKA PSPADIPPKA PADTEHSEV EAEIEDSRPK
IPSPSMMAPR RKLRSRYVPL PNEVWATAGF QTPYDVGGQY ASWWFENAAT STQRDQAHLL
SGGGLPPEID RPLLQFACET LHEYTLTEAQ RVALRDGFHS GIRGVLLNQR DS

> RXA00037 (1-873, translated) 291 residues
MANPLSKGWK YLMASFDNKI DENADPKIQI QQATEAAQKQ HQQIMQHASQ IIGQQKQLEM
KLNRLVTDRL KLQEQARQAI QLADKSANEG DSVKAQEFNN TAEVFASQLV AVEQQLEQTT
ALHQQAEEVAA KDAVAKSKES EMRLKEQMSQ IDALRAQADQ AKMQESVTKS MDLSLNQFGTQ
DSSVPTLDAV REKIERRYAD ALGAQELTQN TVSDRMAEIA QSGTDMRASA RLAELEAL
GTSATPKGQL EAGVEDAEEL IDETSTPSAT PETASPEADA PEASADESEK K

> RXA00049 (1-687, translated) 229 residues
MPTPSQHKDA STAQTDNQVP TGRRAQKREQ TRARLITSAR TLMAERGVND VGIAEITEGA
NIGTGTFYNY FPDREQLQA VAEDAFESVG IALDQVLTKL DDPAEVFAGS LRHLVRHSLE
DRIWGGFFIQ MGAHPVLMR ILGPRARRDL LHGLETGRFT IEDLDLATTC TFGSLIAAIQ
MALSADQDSN DDKDQIFAAA MLRMVGVQAA EAREIASRPL PEISPVKPK

> RXA00052 (1-711, translated) 237 residues
VAFILFNFVK TNDETSNSVQ SESTAETVSE TNGVLSDGAE NIASQSDESK SGVEIIDSGF
GQSSNSAMAI VIAKTSGGSL AGEFVTATVN FLDESGAVVA TEDQVETLSW EDQELVLPVS
HYKEDSSRPE ITSIEAFLSV TDYSGSQPDE TALPVLETTD ISNPYAGSYN ASFALKNDSS
DDFKNLRVGI VCYNQTDII GGGFKFPNLV PAGGSIRMDA SVTVSEMPAS CKAYLNH

> RXA00054 (1-2913, translated) 971 residues
MSPFDSKLR DTHFGFLDKT TASQQLLNPS LISNEDPHTM LQAIKLELRT AQSFTFSVAF
ISSRGIALLK QALLDFKGG RIITSRYLDF NDPTMFRELL TLENVEVLII QGDGFHSGY
VFHHDVGITA VVGSSNLTDN ALLVNREWNL KFSASKNGDI AFQLDDAINR QIERSTPLTP
EWISEYEATR RVPERLVSN IPLEDQSNAG TIVPNVMQEE ALDALLSLTE KGEKRGVIIS
ATGTGKTILA ALATRMLKPE RVLFVVHREQ ILDKARSEFI KVLERPAVDF GKMSGSTKEL

DKPFVFGTIQ TLTKEATLSQ ISPTDFDLVI VDEVHRAGAE SYLALLNLHQ PQFLLGLTAT
 PERTDGFNIY ELDFDNVPYE IRLQAALESN MLVPFHYGV TDFTLDSETT VTDTSKLSAL
 VSEERVHIL EALKTYGHP NVRGLIFCSK TEEAEELSKL LDQSLFNGSL LKTKALSAKD
 SIPYREEVVA ELESGLDYI LTVDIFNEGI DIPSVNQIVM IRSTQSSIVF TQQLGRGLRK
 AAGKDHLRVI DFIGNYANNY LIPIALFGDN SRNKNSIRRR LIESDIDGTI SGVSSVNFDP
 IAQERIFAAL KAAKLDSKAQ FKQDIVQLQD RLNHVPALLD FARFNTVDPF ILATHSGNYW
 SLLSSVKFVD HAPSESEKYF LDFLTGELLN GKRPHLELLI QELMKQPETS TEEFRKLLQA
 QSTSSDEQTI NSVERILSQE FYTGPNRKKF GEHPILSVQN RTYSFTPEFR RALDESLEVT
 DRDEAAQNFK FHVQDIIDTG LFIARNNGFW QGNLVVGERY SRRDVCRIIN WERNNESTIY
 GYKVDSTST CFIIVTYHKA DDVSESTRYQ DELVDPNTLH WYSRGNRKIT SNEIKPIAAN
 AVDLHVFVKK DDAEGLDFFY LGQAHSSENSK QSSMPGNKGV VQPVVTMDLQ FDTPEQSLF
 EYLSTNLAVT E

> RXA00056 (1-750, translated) 250 residues
 LLNRVSRIAG ASAITLCIGL TTILSPTSTA QSLEQITPLP ESAIDLNAEI HVNTSDISAE
 QILGAQDEIT TMYDSHPYE YFDTLTDIEQ RSIIAALKRD PSSLQQRQET RLAAQSDPYK
 IYISGLEMLS CINLVDVWSC GIANQAATKA NNEAVARYPG DSLRNGKGD FRHCSWNALM
 TIRIGSNGAE RIATNHETIG DGPADENAMD LFNNAQGRQI GAGFINSKDE TSALAICALW
 TNLGRLKTLK

> RXA00058 (1-564, translated) 188 residues
 MKFFGFYRPI ALIAGITVSA SILTSVATAA ESPTSFQAIT PAFSSSSAPE ADAEANTSEA
 TADLLVAEN QLLIKLSNAV VEDVNGEILM KDNKGTLLN LTAEQAQPG FSIEKVDST
 ALLTMNPDEV PDLQDWRCGV GALSGGVAGV VATGLALAAL GVATGGTGFA VLAAGGLAGY
 GTGAVANC

> RXA00059 (1-282, translated) 94 residues
 VLTGILLAMV STALRIRFGS GVAIAATVLW TVISITLGGD VLAETMLWL AVPSWPETAD
 TTRFLIAML LQAVLITGST IWAIREIRDS ERRG

> RXA00063 (1-285, translated) 95 residues
 MTDGDLADADI SPRQIGLMTT RTVVEIVRLR HMIAQQLERA TIMENEYLKE IAALKKELAH
 YKQKDHQNM VIDILGKAIG TRPNPGEGLD EEDAT

> RXA00065 (1-273, translated) 91 residues
 MANLPQEGFS VVHGILADPR IWGPEIPYVR EEAGQVNVEA PDEAGDLARL TLPLQLILLT
 EEEFAIALNE GSDVMFERMA EQEVDLLDLK R

> RXA00067 (1-486, translated) 162 residues
 MVDAQRPKAG IFGSHTETW VWLGNELFDE SGEVIADVRS DVLYVDRERL LIESTPGTMR
 FRCRATLSGG EVYTMQNSF TVGDLTAVCG RRTYSLKRVS PWRKERLITN NGVEVARLRP
 MTSGKVEFIV GTAGSEALPF VDAVFLSWAC VLVDASAVRRP KI

> RXA00068 (1-582, translated) 194 residues
 MTSKDLIVTS YTSWGKRFGN DGKLFINLLR STTDSADEKV LATFGEVPSK SFETTATVDE
 QQWELSFSD GTATAKLPDG RVFSANAGEK TFTKSKRIEI DMDGTAMAAV NEDKNNWIID
 DSEENKVAQF TGMNNGVRR IVEFEPDVEV TQEQEIFLSW VARKTLESRM LGSSWGLTLF
 LIILTPIIIF LTFS

> RXA00071 (1-1452, translated) 484 residues
 MSITTHVQAL TTALNAIDNH LASMXDHGVT PDQYKAIEPD LIALEHTINH HATIAAQTXA
 LAERTXXXXX IGSTHLIDYL TTTFGLSKAR AHRINLAHS LYPIPKPNSG SGNGGNGGNP
 DGGPDGGDSG DDDSGDDDPD PEPDKPEDGK PDSKPRRPR ISAEKHAIIT DELARLNPNT
 TPSAEEXRXQ ALSXAIWRTP EDLRTWLRHQ VTTANKNNPN PITAMKRRYL SVGKPDADNM
 VRISGLVPAA TAALITANTA PLTKRGNLVD LPAAEDMRTR GQRHADALHH IMEIYNHGIV
 TPARGGTASI IISMTTDDLD EINHGHDG DG SLLNNLYPTN TGYSNLAEI MNLIAAKYDF
 AVLLDGETGQ PLNVNRMQRS ANLTQRIALF ASELVCSAPN CDRPQLECEV HHLDPWMRGG
 LTNLVNLTHQ CFNHHPRND SRSGVNGKGF MDRDPVTGRV GHYSASGEGP VFNRSAADR
 SGA

> RXA00077 (1-1362, translated) 454 residues

MNDENIQSSN YQPFPSFDDW KQIEVSLLDV IESSRHFSDL KDSTDRSALD AALERAKRAA
 AVDTNAIEGI FQTDGRGFTHT VATQVGAWEQ QMAMKGKHKV PAFDDTLEGF EYVLDAVTGR
 TPISQQWIRN LHAVILRSQE SHEVFTAVGV QNQALQKGEY KTQPNSPQRS DGSVHAYAPV
 EDTPAEMARF ISELESKEFL AAEKVIQAAH AHYAFVCIHP FADGNGRVAR ALASVFLYKD
 PGVPLVIYQD QRRDYIHALE AADKNNPLLL IRFFAERVT D TINSIIVDLT TPIAGKSGSA
 KLSDALRPTR VLPDLHDAAH RLQESLFTEI RSRLDEEGKR NGLFLLQRI FIGSPFNLP
 GYNAFPDSYC LTLAFNSNSP KQIFHPLSIV IAARDGKRAS SDLVAATSIG YNFHAYGREV
 EPVVTESFRE RVKIYADGIV DHFLTELAKK FQON

> RXA00079 (1-222, translated) 74 residues
 MGLVHTEFTP INTYGILDHV VTLPGDGTKVL NPFRVIPHDT GSELIFTVRP NENFEEDCQA
 VAADLERLVA LAEK

> RXA00080 (1-420, translated) 140 residues
 MIVLLFINLP FAQLWAKLLL IPNHLYSGI ALFCGLGIYA TSGAVFDLLM LLGIGVVALI
 MRRYGYPLAP LMIGMVLGPL AETSLRDALL SSVGDFSILV SSPITWSLYA VLAIFIIVSV
 ITAIRGRRKH LTSQLETIDA

> RXA00082 (1-564, translated) 188 residues
 VNVTEQSGES HIDIPESHQL PGPRPVGEGT FWEGRSGLIM PAILTAFSLY LLIGVLNMDV
 GNAAFPGRPF FPTILGIAGL LVAVALTIQT IKYPMHPENE SGRSWKFHSD YVSLAWAIGG
 FFAFAVLLPY LGWVLGSL LFWTMTAFGS KRPGFDVLVS LMMSSVVYLA FDVGLGLNLP
 SGLLGGGF

> RXA00083 (1-300, translated) 100 residues
 VLALPSSIID PLWCQFAALI PPVTDTHPLR CHRPRIPDRI IFDKLIQVLV LGASYAKIAD
 TTCSATTLRT RRDEWITAGI FEQLEQICLE FYDRIVGLDL

> RXA00087 (1-528, translated) 176 residues
 MIGGIIGLIL SVIIMAEKLA ILEDPGHITS CDFNAVLACG DVMRSGQANA FGIPNPLIGI
 AGFAAVAIIG AGILAGGGFR GWFWFGAQAG LTFAMMFCHW LAYQSMVIR ALCPYCMGVW
 TVSIIMFVLV TAWNVTFSG SDSTFVNALY KYKWVIAIVW LLLIAAAAVW SFRYMF

> RXA00093 (1-2223, translated) 741 residues
 VTTLAATRP TLRDAFKHPW RSLAAILLVA VPMFLVSFFL TYDQSINNAA SYPGSQVQAH
 YDGEAYQLL QENLPEDFHL ELFANGYPEV SFGDEEVNFF VVQSTNVQQA SFPADALDVL
 GATIGDVTI HGTPVEVQSI SPTNILLPEG TLFSLENFSE SETFSGTWYF PGSNFTEENR
 QALEAVGFEV NEYRRGPISV DPNLIPSYIM GFLSTTILAV VALMLISPVE TISASRQTRT
 FALLASQGAT PRHIRWAVLT YGLFAGLVGA SIGLVLGQIG IYGWWKYTYP EFSLTTPWL
 LVGFWALAI ASTIAAFLPA VFVSRSSIIN GIYGGISDKI IRWSPRMLIG PIVLIAAAVI
 ALFIGDGEW GVVKQLCFLA AVIALPASVP AVLWALGRLP GLTFKLATRD MLRRSMHSIP
 AIGALAAVIM LGTFMQTTGL ATQASDREAT ASVYPEAVFL RGDTQIPGLM GQKIDVYGDN
 HGFGIYELDV DFYSANYVPA LTSFFGGPVI ATPKILDMFG VHEQADIYAP STYNSGLQY
 AIYPGDETYM LDAAVLPPL YSHVLLSPET FEEIGGQTEF LGTIVLPQEL DDQTVQAINR
 SRDAHFSHDG HNSSLASSAA LTAVAIVVVS LVIVLANRKL QQHALIAIGA TPGTIYKVNA
 LNAALLALVG GIMGLVSGWI AALLTGTTDE IVDGAILNYG TLEHMMLPWP LLVSLLVVAP
 LVCAVIGAIA SPSGRHQEAS I

> RXA00096 (1-303, translated) 101 residues
 MTNAGDNFEI RMPSGTDDPL SDAEIQKYRE EINRLDREIL DAVKRRTKIS QTIGKTRMSS
 GGTRLVHTRE VAIINQFREE IGEEGPALAG ILLRMGRGKL G

> RXA00097 (1-1161, translated) 387 residues
 LFTNFFAVNN PDSPPARQKT KLRELEHFRW QEHLPGDDDD HSTAISSLAI VTGLTKAQVS
 RISIAFATLA DLPELKALQQ KLYHLDLSRL ITISNELAGI NPDNLAGADA ILTEYLTATS
 PNQILPSPAS IGRKIKEIRD LLDDARATGS RGTQDDSSFG VTFSPDGTA E IGASVDAVDG
 HIINDAVTQH AKKNDLTYGE AFSDILRNNI QVKVVLNLYT AKDLANAPVW ASGIGWLDK
 TGTFWSEKAN KEQMDMAAAK ISTDKHDP PP ALRDALIGRD GTCRFP GCSV PALKTQADHR
 IPYEEGGETC LGGIGCLCQH HHNMKTDGRV TYLLDPFSGI IVWLMGDGTW AVSEPNGPLN
 PKNARWAQTV AQHRARHHKR WVKEDAK

> RXA00101 (1-408, translated) 136 residues
MRLILNLIWL FFGGIWLAGL YVFFGIIACI FIVTIPAGIA SFRMANYALW PFGRTVVRNP
KAGGFSALSN GLWFIIAGLW LAIGHLTTAA AQAITIIGIP LAIANIRMIP VTCFFPGKEI
YDSNRIPFGY EPMVKF

> RXA00108 (1-543, translated) 181 residues
MKKFFVAGAV LSSALVMAAC SPANQSDSTS TSVETTSSSS TQVSDAVITT ENAVVRASVE
DSDMTAVFAT LVNNSDDEIN VSGFTADVDA ASFEVHEVVD GVMQEKPGGF VIPAGESIEL
APGGDHLMMIM GLANPIEAGD EVTVTLELAD GSEVKLDPIP ARTIAAGDED YDGLGTEGHE
G

> RXA00110 (1-549, translated) 183 residues
VSNKDGLFTD GNSTFAPKVD SIPLSDVDTS VSGEASIGTL ISNATSQMSS LFRAEVELAK
TELAGEAKKA AIGGGAFSVA GVIALYSSFF FFFFVAALLS EWIKPWAFL IVFLFMLVIA
AALALFGWRK VKKMGAPKNT IQSVNQLKNL VPGQASEKLE KANKRGLYTS ASFHSPGAIT
GDH

> RXA00114 (1-489, translated) 163 residues
MKLLKFAAAG TFALALAGCT QTESLVATIE SATSAAQASG NDVEGDQTS FELSVGECFN
DTYEEIEISEV PIVDCAEPHD NEIYYLYDIE GDDFPTDITT TGYEGCLPTF EGFVGAPYET
SIYEVYPMTT TFGSWTNGDR EVVCSVYLAT GEQMTGTAAG TAQ

> RXA00117 (1-591, translated) 197 residues
MTSAQPITSV DAQTLKSWID KHEGLTVIDV RTAHEFSNLH IKGSYNVPLT TLAHSEEIS
SRVGEHVVLV CQSGIRAGQA QKKLAPLGIS TVAVLEGGIN SFAKADGDVV RGTQVWDIER
QVRFAAGSLV LAGLAGGKFL SPKVRTLGI IGAGLTFSGV SNTCAMGKAL SALPWNKTKP
VPTETETLSK LPSPKEN

> RXA00118 (1-255, translated) 85 residues
MQLNPDEITP VLNRLKRAQG QLTGVIRMLD EGEDCKAVVT QLAAVTKALD RAGFAIIATG
LEQCLTNPDG DMDKKELEKL FLSLA

> RXA00119 (1-759, translated) 253 residues
MLEFPADVIP ENIKHIAQTK FQTEATSVED IRRAINLLSD QAERAGASFN PGFILAQVGS
TIVEVYGGAP VAWLDAVELL ISPDVEWGV HGSRKLDINV SGELSGVISA GDKLGELLGD
DWTINIVHGE YKIQIEDARP STAFLADATE LINQANSEIV PFHVRMLSNS KIVMSGFSDY
SLAGDAITSA GKLAELARPF AHWKENVIPT IEIAMDYEPS PVADLWQGDS SETPEPFDDF
ERLLREEMLI PEI

> RXA00120 (1-654, translated) 218 residues
VESLYFDSAD LRCYTEKIEG LKFRRLKLRIR TYGDGVLTPE STVSVEIKQR VNKVTQKRRL
DLPFIYALAL GDSTGAARGE QVDVEKLLEI SPENQHALIH EMASFAKNYR LRPIATTKYH
REAFVGADAE ESSRVTIDHG VSGRDRDFLL GQDLEDRPTV AQGLAVVEIK CDERVPFWLT
DMTAQLEMSV IRMSKYCETI EAFHNRPSA FGAVDPIF

> RXA00121 (1-711, translated) 237 residues
MLSDLSSIFD FQDLSTGFSV VDLITLVLS FVLTSIVGVV YQKTHRHISY SQSFVQTLVL
VGMVIAIIML VVGSNIARAF ALVGALSVIR FRNAVKETRD VGFLFLAMAI GMTCTGRFYV
LAIAATIVVC GVLFIYRFD WFKADIQRQV IKVQVPADGQ ADSGRSYAEE VELILAQYCT
SFEMMSAESV RGGALTEFSY TAQMRKNVKP HELVAKMRDV NYGQKATVLT GHDQTDV

> RXA00122 (1-1623, translated) 541 residues
MNRRLFLGTS AAIIVAGGV LGGVQVVPYIS SGEIQTSSASS TATIDVGAGN VDIFDTSVSH
EISLQVSQES LDEMLADYQE DGSKTWVKAT ITIDGVTIEN VGIRLKGNS LSGLGRTSEE
GGPQAPPEGVE EFTDLSEEEI AQFEEQFAAQ QETTDASETG ETAENEETR GPGGMMGGGM
GGMTSVDADD VSTWPLLISF DKYEDGRVYQ GMTQLALRPG TTVVNEAMAL ALTAETGQVS
QQSSFTTFSL NDEPSTTRLL LKHPDENYAD ALNGVLFKA DSNSSFTYQG EDQTEYDQGF
KQINGDGNQD IQPIINLLKW LDTASDEEFA EHLSDYVDVE SFARYVATQN LLVNSDDMAG
PGSNYYLWYD YDTGLISVIS WDLNLAMSGS TDAGPDDEIS MGGGGGGGMR PGGTTDTEIE
GTATEDMPDM GNMQQRERPE GMPDMGEMPD MGDREGGGSM GGNQLKERFL ASDAFTEIYE
QVYWELYEEM YGSGTAIELL DEIAASIPET DAVTADEIAT EVASMREWIT ARTEALALQ

E

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> RXA00127 (1-456, translated) 152 residues
LSPYDGPHERN VLIALKEHGR ADLVAFGAV VGASISYLAA QGEIEHDITL VPAPTRATSR
RRRGDGPVER VCNASRLSTF PCLQISSRTP DSVGQTAQQR RLNMRLVELVR QPRGSVLIID
DVTGTTGATIS ASANVLRAAG VQVRGALTYC QA
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> RXA00128 (1-1704, translated) 568 residues
VSKISTKLKA LTAVLSVTTL VAGCSTLPQN TDPQVLSFS GSQSTQEIAG PTPNQDPDLL
IRGFFSAGAY PTQQYEAAKA YLTEGTRSTW NPAASTRILD RIDLNTLPQS TNAERTIAIR
GTQVGTLLSG GVVQPENAEF EAEITMRRED GEWRIDALPD GILLERNDLR NHYTPHDVYF
FDPGSGQVLVG DRRWLFNESQ SMSTVLMALL VNGPSPAISP GVVNQLSTDA SFVGFNDGEY
QFTGLGNLDD DARLRFQAQA VWTLAHADVA GPYTLVADGA PLLSEFPTLT TDDLAEYNPE
AYTNTVSTLF ALQDGSLSRV SSGNVSPLOQ IWSGGDIDSA AISSSANVVA AVRHENNEAV
LTVGSMEGVT SDALRSETIT RPTFEYASSG LWAVVDGETP VRVARSAATG ELVQTEAEIV
LPRDVTGPIS EFQLSRTGVR AAMIEGKVV VGVVTRPGPG ERRVTNITEV APSLGEAALS
INWRPDGILL VGT SIPETPL WRVEQDGSAL SSMPSGNLSA PVVAVASSAT TVYVTD SHAM
LQLPTADNDI WREVPGLLGT RAAPVVAY
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> RXA00134 (1-570, translated) 190 residues
MAVHLTKIYT RTGDDGTTGL SNFERVPKDD PRLIAYADSD EANCAIGQVL ALSSPTEDMA
TLLRTIQNEL FDVGADLATP IEENPKYPPL RVLPEYIERL EKECDKWNED VPALDSFILP
GGTPAAALLH TARVITRAE RAAWIAVREF PSTTSTLPAQ YLNRLSDLIF ILSRVANNGN
DVKWVPGGKR
```

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> RXA00140 (1-186, translated) 62 residues
MSDESIEEQE KELAALKAQI DELEKKDKQN KLIIEILSKA VEKNVAEAEA KRARKYPPNP
LW
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> RXA00141 (1-462, translated) 154 residues
MTTDSNSATI PTPKPIPVTI DRISLIMKEF GIDLSIADEQ GTGSQVASAN LNHHVFMFV
IGSVLIVRAD RATEMPVSDG NPAWHLACNQ VNCNFNFAKA VVVDRTDNIV IRAEKDVPIA
AGLNDIQLSA MLKNAIDHVL AIQDAVANAG KEIG
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> RXA00142 (1-477, translated) 159 residues
VPQSPTAHDP NDIQEFNLDA VAGILQDEKL DYRIDEHDGE KVIRTGFINA AISFILLDGS
LTMEAMWRGA PSTDAAAQVL AATNEWNLTO FAPTIRFFEL NEGLTAINAL RHVVVSAGMS
HNQVGSYVMS SIESAVQCFE WLEQQFPDLV TWKDEHHDH
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> RXA00150 (1-774, translated) 258 residues
MVFSMHDKGE TQENPADMSG RLNTPISTVF HFFSSLFHDA LRSVAQWSAW KKIIVSVVIV
AIISVTFLVD VPPISVYRDW ANNAGDAFVL VFCAFYILIT QFPIPRTVLT LASGVLFPGV
LGSVVALGST TVSAVISLLI VRGLLDGDMW PRLTHPAVSR INTRLEQRGW LAITSLRMIA
AIPFSILNYV AALTSVPVFS FAIATLIGSA PGTIVTVVLG DAVTGSGNWT AVAFTVFLAI
LGLVLGIFLDQ KMPVKPGK
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> RXA00151 (1-597, translated) 199 residues
MWALHARYRG RDTRRAELVK RFAEALSTLE GAGQFEVIGV EDIRAHITSP LTTCDVVMAL
LAAGDWAIGI GVIPTVDGTV DESDEAIEEQ VKKISSDALR PTAKAGTVKV RIAGTKRDNT
QAFNISAAFT LIGQVLSKRT IEGREATALV RSGLNQNEAA QELGISKQAM SQRLQAAGWQ
AESAGWQLAV NLIEQAGKR
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> RXA00153 (1-426, translated) 142 residues
VGAIWIFIGA LVLAGLELAV GEFTLLMLGG AALATAGVAL IGVPVWAEFV TFAVASAALL
MFIRPAIRKR LLKPKVLDSS PRALVGHRAE VLEDVGATSG QVRDLSIWS ARSMDPTHFT
AEGEIVSVID IQGTTAIVWK EA
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> RXA00154 (1-843, translated) 281 residues
MSFSDPYAGN IFGGHSRKNQ PEYDPVPAKP GLVVEVRGDG FVGAVTGFER TYDGDFVRLE
DRRGRDALYK LKGAEMIDG QIVNLTRFVE KQAPRKSNSG SRRVENAQAK VAAPSRIWVE
GIHDAAIVEK VWGHDLRVEG VVVEYLEGLD NLEERLAEFQ PGPGRRIGVL ADHLVEGSKE
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TRMTKSLPAD VAVTGHPIYD IWAAVKPERL GLKAWPEVPY GEDWKTGICK RVGWSDPKEG
WHRVYNAVNS FRDLDTLIG AVERLVDFVT NLDLSKEDVL A

> RXA00155 (1-783, translated) 261 residues
MEIRANVYSP LQNTAVWLGA WLYELVPTED VIDAQVLDLGG PHTFGDGGLL DMLRTLKELT
STLIDAPFHG PILTLALSGP GQVPALPAGS RAAVLASASK EGALVLGGVD KQHSWALIPT
RGKDATEWNL VEVEGFPAI ATVSPGEADQ LLRQATDQAA NIIELSGYAS LAPKSLKNPR
LTVGMLSDFY DTPGLPYAVP ERSAKLFARA DRVAAIAETV QETIGDHSLD POLIFLWSHI
RTARMAGVSY ALAEFARDYH S

> RXA00159 (1-1182, translated) 394 residues
MENVSSVTSD GSVADVHAER WQELLARLDA DAPDIAEGTA AKLLATIPGY ELVDAGPIRE
SSIRNTALII RVINAGTEPK AEDLPEALRL ADERIAQNVP LGSVLHGFRM SLGEILEHLV
QLGPEYNIDP GRMLRWSTLM WAVNDAFSTR ATRVYRDHEV ATAIADSVRR SEWIGKAVSE
GSELSELLWG AAMYDVPADT PLRALAATSP DHAKAETQIQ KWTQRAGVRV LASVQPSVIV
GIVIGEPKRN VDGPGFAVGL GRAEVLKSLA DSYKDASLVL KAADNLKLE VQRAQDLSWK
LAIHASPRVT EILAQKYVKP LRESGEFAHE IVESLRAVVD NQMNIPIAAR SIPVHVNTLR
YRLRRFEELT GCYLEDTSTV IEVSWVLEVF GREL

> RXA00161 (1-462, translated) 154 residues
MSEPGPSGVK EKKKVKASHI VFLLCIFIAA CALAWWQWSR FQSGSGTFQN LGYAFQWPLI
GAFFVYAYRK YLQYENESIE LENMEAKMMA EQGKTPVAQS EQEDSFVQLS HRPSLVEDDS
VKEIDESFLP SRPTMDVEEF NRLNDPHARR RRKA

> RXA00162 (1-354, translated) 118 residues
VSTTTPIHPE RKKRVRQALT MFSIAAWVTG VLLALVAEM IMKYIIGMDL PEWARFVPIA
HGWWYIVFLM TTLNLGLKAR WNPTRWVTTA IAGVVPLLSF FVEHNRKEV TQTFQLNS

> RXA00167 (1-261, translated) 87 residues
MYLLNPPVTE PEILTVNEIP TVVAVFDNHP MNDMPAAFDQ TYQVLFPTLG AKGIAPIGPG
FALYTSEPTD TVSFVGVMPV SQPLEGE

> RXA00169 (1-2073, translated) 691 residues
MSLGNPAAML AAYNTSTQVA PQPQLGPRAG EVQLSSEQQA MIDYVLAGKD VIVDATVGS
KTTAIQRLCS IMGADHDVLY LTYSKLLKVD AQQRVRGAKV QNYHGVYYPH LLKAGIKCGI
SESIREFNKN FKHSIRTFPS YDLLVIDEYQ DINEDYAEEL RNIKSVNPLM QIVMVGDLQ
KVRSDTTLDP QEFAAQLCED PVFAPFTQSF RIGEMAAGL ADAWNKPIVG ANTAQQIEYR
SFAEAVVLIQ STEPSKLLCL GSRNGQMSDA LNVVERKSPA KFNKKTVFAS IRDGDSQIAH
PNDAAVFTTF DSSKGLERDT CVVFDYDEEF WDMRLGYPNV DPVVMRNVFL VAASRGKNKV
VFVRSDSLQA AYEAGADWAA GLAVGVVDNN TEVAPEVDAH TPAEESKGDV GEVQSQIERM
MGFIPVSVFK ELPELAPSEY ARPISVTEAF DFKYAENVEA CFDDLVDKRL DNGKGAIEV
NRSDGLIDLS PTVGNFQEA VFFKDYNVHTA LSAYPSQFAK NLKRLVKKNN SVWRNCLIVT
AASTEQMRVY DQVRSSIPVA AEKALVSRLS TRLNADSRNQ IPLILDGEAV QSKVVRTPMS
FAGVADAVHK GVLYELKFVS ELTHPMFLQL AMYLVMSGMK DGILWNTRTD EAWQVRVPDP
KRFLNAVVL C VSKQDYRVGN FDL PSTGGGA R

> RXA00170 (1-1854, translated) 618 residues
MLLAIGVASP VAQAQVEDQF ELVKEISDEQ FADDGVDYVP NRNAPTVEQ LEDFESAHP
VVIEYHEHVN DSKDNVEELP LPKRDIVAGE MRSDVIELPE GVSKEADQV EVAEARLNEG
ARLMAATGCE AMWPTGFSVC GRILDAYRQV GGQLSWLGGP KSNELTNPDG VGRSEFVGG
AIYWHPTDGA YAVTLDGLRQ WGTLNWESGP LGYPTSGPMD TNYPLTQRQT FQGGDNYNPN
LTGGAVWGDI KQRYEELGGS NHAIGIPITN ELPSGTEYFY NNFNGTISW RNDRQTRFMY
LATQRVWDAL GRETGRLGFP EADETPEVSG LFHVVNFAER GVIAWNGILG ARELYGDVYS
LWLQYQNTDT PLGWPIPSLT SLNESLEQEF TRGVVLGSGD ALTWIPDDEE RSLEDFLPIG
SSGSSSSSQE MTLFSQRAQY VDCKNLPLD EQRKTEENNIE KNGGPIKKEY SSRGFPTEFR
FVVRKGYHVR YRNEGWGYLK NYCKHNFANH AMAEAVVDKA VIDYGSSPGT SYKFEKTVY
FLDCRTYTFN KNSGCKEMHA PQWVTIIYNP HTFTGANSNR PKGVISAWCN STPPGGIEHE
PEISQCPDHV NLYNKLRI

> RXA00171 (1-231, translated) 77 residues
LAAEVKRLRE RDDARDQQLG VLNEAMFSLG GDGLDRFRES GDEASFNAAL NYQAVVAPEM

FKTVYGVDPST TGEPIPT

> RXA00173 (1-333, translated) 111 residues
MSTTIKAAAP YSLHAHDLEQ LAVDLTLVTT FDSNAAVDVT PTHTEAPGFT LHEGTDAPM
APTLVVPISST DISTAVSEIS TLVQQARTDA ASAIHEAEAE FYNQLAAVLA Q

> RXA00174 (1-285, translated) 95 residues
MPNHPPISTF DDRRSAMREG ITDYLANSTNA NGLGGYSISD THLDNLAEKF TRTHGEAQYD
AGFDPNDLEP ETFVRDIEMS WDERAIDRAL IHTQL

> RXA00175 (1-630, translated) 210 residues
MAVCQLPQPE KTTLIKDDL LMTSTTNSTA MFNDHLIPMA ELDEQALRDS VGSWAQYKHP
LDQRKEPELV LIRRVNSSER VWVLSFTDLR ADAGLVPRST PNADPSNIRN TIFSVAVRDL
VLDRSLPRLN NLNGQPPAGE WEEGFVYVDY DQSDTVDGYL IEHSEPVSIE SQTGEMHYF
DKVPGGVAVT NNPDGTEQGD ARRWVSHWES

> RXA00176 (1-159, translated) 53 residues
QLMYSTSSFT TVKQTIGIDL AELIQGRALG QAQGEAQGKA SAAALEQAPH NEQ

> RXA00179 (1-459, translated) 153 residues
MIAIHAIAAI LFLGPATVAN SQFHVRAYDA HNGNTQAAGS AKTLFKISQS YGMLSLLVPL
LGIAMLLDW SFYKSEGQFH AAIALSVITW ALLLFVIFPR QKKMMGALDL LEDDEQAAKT
YEIENWDKAK SQLSMFGGIW ALLWVIIAVL MFI

> RXA00180 (1-540, translated) 180 residues
MKNFIRVLIA FSVFLCIYTV APHIGRPGPD LAPVTAIPQR ATVLGYDRAS MFGGWLGGVR
EGIVDEAGDT DPYSGNRLDL SSAEVDHILP LSAAWDLGAH RWSAGERISF ANDPLNLVLV
SKAENQEKSD QLPSEWLPSD RSARCWYVER LFAVANAYEL PLPENDIRVG RKQCGFAKPW

> RXA00183 (1-852, translated) 284 residues
MTESRRVKMD NVIYANFGSK QRVSTPDDRT QVINKSRHKQ FSPAGTRTVM LTEKNADSGR
RSRGEQYYRN GNVGTGMTVLE GRVECTVAGS QNEPFVTTVT FPYRSSEKLR EAYAAIADTP
NGLRLVRDGH LTSSMLDHLV GSPDESIYFD CTCPDRLVC KHAVASAYHV AEKMTANPGL
ILDIRGQGMA GLEALIRTYH TKVETEPEDN DSEFWNGREL ALPDPKIAPA IDSDINYLH
KALRMVSYTS LEQLRAVSDI EDMYEILVAN HPDNQQVYEE EDTD

> RXA00185 (1-2628, translated) 876 residues
MRIHEIIDN FRAIEHLELR DIPDQGVIVI HGDNEQKSS ILEAIKTVLN SKHRTTSKTI
KAIQPVDRDV PISITLEATV GTVRFRIHKK FLKSTAAELQ VIEPRPSNHR GLEAEAAALAE
ILESOLDTSL LDALFMKQGE VEAGISAVGI PTLTSALNAQ NGNTEDATED TALMEAVEKE
YLFYTNNGSK ANTRFLQFSK QVETLRTDLD EANAEEVAKLS SHVDRVKRLE IDRQATAQL
PKAEELAGR KAELEEAQKV KAQATEILAQ FSRAEEQLEQ ATGAQKRRKE LRNKLELAQT
EVEKAEAGQE NLAQEASREA EEFLALSEKF EAARAAETLA VEKVKAARQS VAGIKNRDRK
EHLTVMLGEL DRIGQRLYEL RSVQHSSVRV SQRDIDALQK AITEVDIQT LVEAQQGSIT
LSASTPTDIQ LGDDTVSATD AGTTVALDRE LTVVVGDTVTL VINPGKTAAE SRTDFESAEA
ALAEELLDQLD VSDLDQLRER FTAQEQRDAD IAEVLREQQR MSGGTETTTL VAELEGLHVP
EDLDPSISVD DAQTQLNEAE ESRELAEEAH KHANAALDGL RSRPVDKALT VFNAQLAALQ
RNLSSAQVEL DRAVAETSDD EVDAVQRCA EALAGVRVQK QEIEQVLAKT NPDMAQRLCD
AAEANVRSYK TAVSDATTEL VRLEGLIGVA AGAKERLDKV KSALTAAENR FESEQRRRAHA
ARRLYALMVF YRDESRKRYA APFADKLSRL AASVFGESAD FDLDELKIS SRSIGPRTVD
LANLSGGAKE QLAILTRFAI AELVAESSAQ GAVPVFIDDA LGSTDPERLT RISTLFSDAG
KDSQVFVLTC VPDRYNYVEV TQKHSIESLK TANALL

> RXA00194 (1-285, translated) 95 residues
VAGSSHTIEP EIYRGVSTLD EPSAAWGWHG LKRNTIQLAG WISVLFMLGY NFGNHKGHVE
TIWLLVITAL LVIGLLIHLF EPKALPGSHH HFSQQ

> RXA00197 (1-1011, translated) 337 residues
VAAYLLGVVL FFLGIAVTIA LHEWGHFITA RIFGMKVRRF FIGFGPTVFA KRRGETVYGL
KAIPVGGFCD IAGMTAQDEL DPEDLPRAMY LKPWWQRIIV LSGGVIMNLI VGFLVLYGVA
VSSGIPNPDV DTTATVDTVQ CVPETQISAT ELSSCVGSGP AGDAGIEHGD KILAVNGQEM

ASFTAIRDAI LELPGETATL TIEREGTLFD VDLQVASVTR LASDGSEITV GAVGMSSLPP
TDVYKKGPI EGVGATARFT GDMISATWDG LKAFPAKIPG VVASIFGAER DVESPMSSVVG
ASRIGGEFVE RSMWDMFMMM LASLNFFLAL FNLVPLP

> RXA00199 (1-1419, translated) 473 residues
MEDLEIFDRH LQHSDFDQGG SIGLELELNL VDKHMQPALA GHAVLSHLDD EYQSEIGNFN
VEMNHPPPLSV KGDALRRLEQ GITSRLGRVR AAATSENVNV AMIGTLPTIT PEFLEDPAMW
TOENRYRALS NAVMESRGEL VHINIADREQ IHDFTDLAP ESTCTSIQLH LQLAPNKFAA
AWNASQAIAG VQAALSANSP LFLGRRVWHE SRIPVFQQAI DTRTPELVNQ GVRPRVWFGE
RWITSVFDLF EENVRYFSPL IAESRALSQT PMMKGKSPAL HYLNLHNGTV WRWNRPIYAP
GEERSHLRLE NRLLPAGPTP IDITADAAFY YGLVKYLAEE NRPVWSRLLF PDAEKNFQSG
ARSGLFARMT WPTLGQVNVA NLVQEHLPQ ARIGLERLEV NKDLIDQYLG IITERAKSRQ
NGATWQLRSL NKLEAHGSMG GSDARKAGLA AMLQQYLQNG ESGQPVHTWA IGS

> RXA00200 (1-303, translated) 101 residues
HYAGVTEIPE YRISPDHGGK STLSPFDQWA GGGSMGTAEA VNNAYEIPSY LRNDWGRDWG
SIERYSLRTN SNGDAPKQAD INLETIQRSQ LWNPGHMKVD E

> RXA00207 (1-318, translated) 106 residues
MEMKLKASQ VSTATVVAAG LIGGWLTARE SGIRPLGTIP LAASGALAAR SWNEKKGPAV
ATGLLATYVG AFGLSHPLAK KIGAWPAVLT VTAGAAAIAV AVSDSQ

> RXA00211 (1-663, translated) 221 residues
MSFLIRVLLS DTPGSLALLA EALGIVEANI QSDVDFVERFP NGTVMDDLVI SIPRDMADT
IITAAEEVDG VEIDSIRPFS GTVDRRGQIQ MAAVAHQRR DITAAMEEMV DVIPRTMTSG
WALVIDLKGP ITRIAGSLAA PEDDGTVPEN IVLKEARMLN PENDPWIPES WTLLDSSLAI
APIGKHGLAL IIGRPGGPDF LASEVEHLGQ VGDIIGAMLQ K

> RXA00218 (1-1140, translated) 380 residues
MSARNPFRPT FGVSPTVLAG RDSLLQSFKL GLAEGPGSPF RALLISGSRG MGKTVLLNEF
EDAAASQGW TLRAYPDNSM VDGLVNSAIP EALQNLGDPQ SKRMLSGVAI PGIATVTAIA
DPTKKDPTPT LISRLRELAT RLQKHGSGIL ITLDELQSAN VDLLHVLATA VQDLRLDDFD
IALVAAGLPE GIDRLQHEG TTFIRRAERI LLNPVNHEDS VEMFLDTAAE GQRHMTSEAA
ELAAQISKGY PYSMQLTGSL AWAARSTLNS DTIQAEQVDA VRDEVVRMGM MQVHEPSLHQ
VPDGLTILY AIAQLSKNGE MVSTGDIAHL MGVKPNALSM QRKQLLSRGL VEVPKYGFLN
FTLPYMREHL LNSPHHRPIT

> RXA00220 (1-504, translated) 168 residues
MSAFHIRAEQ SHDISAIHDV TEAAFTGIEH SDGTEQDLVD KLRAAKALSL SLVAEADGEV
IGHIAASEVL IGGGVQGWFG IGPVSVRPDK QQQGVGIALM GSALDQLRAE GAGGIVLLGD
PGYYRRFGFE VVPGLVYPDA PAEFFMAVCL NAFAPQGVV EYHSAFGG

> RXA00222 (1-1146, translated) 382 residues
MTPTADIWFK DTLAAHFTRD GDQTTFSYTA DYAGPPIATS LPINSEPVIT RSGAIPPPFA
GLLPEGRRLS SLRRNIKASA DDELSLLLAV GADPVGAVAI FPHGENTQPA PPTVDFDDEL
DFSAAALTESG IADPVALAGV QDKASARTIA VPVASDAILK LSPPEYPYLV ENEAACYQLL
TKNKLRIELS KVEVLHDKHG RSGLLVHRFD RTPKGKIPVE DAGQVLGIWP ADKYLVSIED
IAQALTKVCA SPILAMRNLA FQIAVAWLSG NGDLHAKNIS IINKGRGFEI SPIYDIPATA
VYGDTTMALE IQGSKKDLSQ KKFLKFCTSI GLPEKTAMSV ANAALLATEN AAETILASGN
FDTRMNRDLA RVLKHRRSAW GA

> RXA00230 (1-720, translated) 240 residues
LIHEQDVQKL LNYITSHFGV DPERWFHPEG YQSIALAILD SIYSTGNRYT GVLNLVNRYC
GLRANEGSHP EADTATDLIE TFYRWGGVDE FVLKTNRRWR TSSKIHPYK AYAALAAKV
LAGHSIESIS DVVGRFDSRE SREHSDIARE WLMITGQSSA LTWSYFLMLV GVPGVKADRM
IVRFVTHVLE RPKEISRHEA SRLIEEVADI MCVNYIYLDH TIWRFQSGRP YLQEDSSPFE

> RXA00232 (1-510, translated) 170 residues
MNDRAHQRIQ DIERSQALDR LGSYFADGYL DIDEFDTRTG AAAIARTAGE IDVLFTDLPE
QQASTAVTPV QDDTEKELDL VLQRGKCLKQ IDSAIWAVVM VSFFLGLFVF NVPYFWVFI
LGGAASAGAR FLLKVDDEAD KLFEELHSKE QSEREARLRI AAQRRRELEQ

> RXA00233 (1-417, translated) 139 residues
MSVNEADLNA VEEQLGRAPR GVLDISYRSP DGVPGVVMTA PKLDDGTPFP TLYYLTDPRL
TTEASRLEVA LVMKWMTDRL STDEELRADY QRAHEHFLAK RNAIEDLGTD FSGGGMPDRV
KCLHVLIDYA LAEGPHHFL

> RXA00234 (1-540, translated) 180 residues
MAKQKKTHKG LVPVSSRERA SESVSATRAP FRLGAVGIGA IALVVLLILF VIAIPVRNYF
QLRSDIAQTE ASIEAKEQOI KQLESDLNRY QSEAYIREQA RLRLGVIEPG ETAFRIVDPA
LDTDTSVTSD GNEEKPLGAW YENLWDSVTK PEALGEEIEA PPAVEGEVPT LAPTEEATVQ

> RXA00236 (1-726, translated) 242 residues
MVISFVGWAL SFMDGTAPIR QLQQIPEDVP PARGVEVPQI DTEADGRTSN HLRFWAEPPIA
QDTGVSAQAI AAYGNAELIA STAWPGCNLG WNTLAGIGQV ETRHGTYNGK MFGGSSLDEN
GVATPPIIGV PLDGSPPGFAE IPDIDGGELD GDTEYDRAVG PMQFIPETWR LMGLDANGDG
VADPNQIDDA ALSAANLLCS NDRDLSTPEG WTAHVHNSYM SNQYMLDVRD AAASYALRQP
AI

> RXA00237 (1-378, translated) 126 residues
MKLSHRIAAM AATAGITVAA FAAPASASDF ANLSSTNKEL SPQYNWVACG ILEGGLKAAG
VLEEGQYNRE LAEIAAKGE GFWTTQFPQI GDWNEDQAAA LADRAQTCGL VKADTYLSEL
SSNFSS

> RXA00238 (1-369, translated) 123 residues
MKKLRFATIA AATVALTASL TPSASAQDFN QIIDNFDCGI LQTAIYTTGL AHENSTRSEL
AANLRNSAAV GQLDFPLNIA ATGYSERIAN RALTCGIVKE DPQDFLSQLQ LLSSNLSSSF
FTA

> RXA00239 (1-585, translated) 195 residues
MRVVVVDPKH PVLVPSFLEA VLGRGEPVSI DPDPFPDIEK WGIKTSTSAS WFIIAKPQST
LLIDAPLNPL HEAVGVMRAA VGRGEWERTQ THESLIPYLE EESQEFIEAI HGGDDEHMKS
ELGDVLLQVL FHAIEAARQG RFDIFDVAAS FVAKMQSRSP YLFDGSTGIV DTDEQQRLWA
QGKAQEKLS EGR

> RXA00240 (1-210, translated) 70 residues
MGIFDEAKKK ATEFLDSDSG EQKSDGLLDK AADKAKGLLG EDKADQINKV RDAVDERIGK
NNGGEENPAN

> RXA00242 (1-1203, translated) 401 residues
VNEWRTVSLV DSTALTVIIS VAVFTSAVAL LGVVKKRSRW RVLGALISSA VLTSGAWVVI
EKLWKPFDP NPWTIYLSAG LAVFPLLSIL FRTGRTRILM ATLTVIALVN TAAVINVIYQ
PYPTLGSFNP VPTAVMSYA DFESQTTAPT MDDREVGALV QVPLAGTTDD STSGFDARDA
YAYIPPAYWD NPSLQLPVLV LMPGNPGQPD QWFSSGNADQ TADNFQATHD GISPIVISVD
GTGSFSGNPA CVDSDAQSVM TYLSHDVPML IKQKFRVNQD QRTWTIGGLS YGGTCALQIM
TNHPEAYGSF LDFSGQEEPT LGTRQQTVDQ LFGGDEDAFK AVNPEDLLNQ AISSGAHTYS
GISGRFIAGS NDKSAVSALS HLDNLSNQAG MSTTFDTVAG G

> RXA00244 (1-636, translated) 212 residues
MNDQLWEGDT GTLTFGSRKA LVQLLKGPV NALQHVEVWR AITTDQDALN AVLNNLFLEL
VLDEDAGVAF TRPANRQEV LVGNKTEAM PKVLRTECLS HFDTLIILIL RQELTMAPPG
ERVIVDREEI REQVLLYRVD EERDEAKLAK RFDAAFRRIV DYSLAKKTET PERFEVSPAL
RQIFDADTVA GVRAEYEFN KAAHDGNEEE QK

> RXA00245 (1-1485, translated) 495 residues
MTVVSHALGF KRFRQESLEL SLLRSDNFPV VLAVVAQYFP QGAIKAPASE LYQLLSDDFR
VLREEGFELP KSPSDYVSDW VKSRWFVRRP GSSQTGETVE PSEELLAVLD SVQRWDNPHR
SISASRIESL TQALQTLALE SDPSTAKRLA ELERERDRIE RQIEAVHAGE FEVLTTVQIG
DRVADILDLA ASIPADFARV RHELSDLNRK LRRQLLDPED SRGDVLEEIF RGVLDLIGDSD
AGRSFNSFFD VLLDRERSSL IDRWireVLG RDEAIDLDSK LRTGLYRIFR DMEDASFEVN
GEMTGLARSL RHYVTTEEFA ESRRMIQLLR DTRSAAAKAA EAGEVTSLNH MDTPLVRIGM
DVRSIAGLKL KNPGEERVED LPEPVEEQEL DTEVLMEQIR ASEIDFEELE EAVSLVLAEQ

SHATITEVLE HFPATQGLAS IVGLLYLAMR DGVPTGRAQI VEWESDDATH RRRITGWQFI
RGLNSEDLA E SEMDK

> RXA00247 (1-927, translated) 309 residues
MQTLIFIAIA GVAAQLVDGG LGMFGVTST TILIMLAGLG PAQASAVVHT AEVGTTLVSG
LSHWKFGNVD WKVVVRLGIP GAIGAFAGAT FLSNISTEAA APITSLILAL IGMNLVWRFS
KGRIRRDYSD RPHSRGFLGG LGIVGGFVDA SGGGGWGPVT TSTLLSLGRT EPRKVVGTVN
TAEFLVSLAA TLGFVVGLWD DLVANLSAVL ALLIGGAIAA PIGAWMISRV NATVLGGFVG
TLIVTLNLPK VLVNVGLDFI PTGLIQVTVL LIGLPLTYLG FRRYRKNLLN ETISSEVVSE
PKGQKIKST

> RXA00248 (1-723, translated) 241 residues
MIPLITLSHG SRKKSAAAAGI TALTHEAGRM LETPAVEAHL ELAEPQLDQV VATLSAEGVT
RAALVPLLFS NAYHAKIDVP EAVKDAKEY GVLLVGPPL GTGSDVASVL AQRLSADAPT
DAHVILYSVG SSHVSANESV IDLAHTIAL TGFSEVVPV TGGPGAGGAG VIEVASKHKA
VHILPLFVTE GLLLDRAIDQ SANIAAATGT NPTYSEPLTT DLAPLVAARY HAALSALLAH
I

> RXA00250 (1-216, translated) 72 residues
ALGAALGQFD FVRNNIDLIF LLIVFISVVP GLVGMARKLA DGHKQANTEP QENPAVQTAP
VKTQEAQ EAP QN

> RXA00252 (1-243, translated) 81 residues
VFAGGVDGVA GVWSVAGAGV DVDDAAGCRA EGGQELATQL GRDNDVEIKV CVPFGHTAGF
DGRVTRHRRG VHQRHVVEV F

> RXA00256 (1-771, translated) 257 residues
MFMSLKTRRI FGALAVSLSI SFSAIATPAA SAQELVVSTS AVNEFGVVTS DITAEQILQA
QDLIAEMKQS EDIYEFYFAL SDVEQSRISA AVKENPYLIE NESPRMRVQS ETPDEETPDK
KKPSKTYKLY MSILEMMSCI NLVDVPSCAQ ALKAANIAER EAKARYPDSV TNGKGDALRH
CAWSALMTIR IKGDAERIG NAHETVVRGE PEEREMDLIN NALGRDIGER FIINGDETGA
LSTCVSMANI GLLHTLL

> RXA00257 (1-456, translated) 152 residues
MKIKKFSITA LASVLMITGC ATNHSSPLYS YLNASTSTTV EQVRLSDLYG EQWTEFALVC
PYTTKDEVKE ELGIKINTYL TDSTDDSSND IVLRDKDGSY DWIYFNRFDI VYLCNGSAEN
LKIYPIDSVL EFEHRDDYGT WKLSAITEPG NQ

> RXA00258 (1-672, translated) 224 residues
MRHTTSATST TSIIKRAMTI SAAVLIASAV GLTTSASSLN TLSATSPESP DQAATVSQAE
SDSELDDGMK KLATKILNRA DNAENDDDTG KNLNDDKKL NTKQPQRP AE KVAQAIELSL
DTTNAEKPD KSFHHEKPVN AYVTSVSYNK SNTWTIKPS DSAVNTPTND AERISNIIQE
ARDLGLSDDE SLTQQIAFHA HAANYLVTEW VLRGYQLANP KVL P

> RXA00260 (1-1176, translated) 392 residues
MHSDAVLAGA SIRAKIGALA TIYGAQNLN VIHSVSFTDR RISPDGQLSK ELFREAWSAN
LLIPDPSSDV EAFWSEKNS TELAGGIFVE KMLFTVPDTG RSNNRVQSFS EELRNHISLK
DMYSTQREEL LDLAYELMVG EAVRFANFRL YDQNLPLPTE ANIDKLRAHL REAAASASLG
VLYLMVWRSV KDAAAHTKH TRMSKENATT HSVTKVSIFV DQLLSGTFPC SKPFHESSQV
PLSEATKIVF NLIMESPME TEPSVLRLNSL QEHSDWELLQ QCDEKIPDRE FLMEWLYQE Q
TWTAEQFFDA LAMVSSSEFR ICAPGCAHQV SADIATQVLE FHDRVSFHDD RKSAMLAAEA
TIIGNKIGSQ ARAGDFVLGE VITKLQNP EV

> RXA00261 (1-429, translated) 143 residues
MYSDKLILLF LSEQDSSYEC CVGLLDGSDG RDIYIEKLLKG RKLKNHFLEW EDINKADVAR
EEIYKQLVH LVFVTALSTP GEISFVFPQG SLMSATLEED FAALVLEER TSFRPDLSHL
WSLPVGWVAP GLEGFVERNS EAA

> RXA00264 (1-378, translated) 126 residues
LLVDSGDVQL EGVTVETPQL AYTGINETQL RIRNIGTTPA RTVLLGGEPF TEDIVMWWNF
IGRSHEEIAE YRKQWQAEAD RFGITHGYIS HHKDG LTRLP APELPNAAIK ARKNPAPTAR

PETRID

> RXA00267 (1-270, translated) 90 residues

VSVAVITRIA SSPSFIAIVA IIVAAIALFV GLNSRVGTLK VDQPVVFTQE QIDQLKELKS
RDQEAAAIRQ AQLWSRGSSS EAVAEAVRKL

> RXA00271 (1-990, translated) 330 residues

MFSSRSKVL A SIFTVGALAL ASCSSDSSDS STSTDAAGGD SYRVGINQLV QHPALDAATT
GFKEAFEEAG VDVTFDEQNA NGEQGTALTI SQQFASDNLD LVLAVATPAA QATAQNITDI
PVLFTAVTDA VSAELVDSNE APGGNVTGTS DIAPIEQQLE LLQQLVPDAK SIGIVYASGE
VNSQVQVDEV TKAAEPLGLS VNTQTVTTVN EIQQAVEALG DVDVIYVPTD NMVVSIGSSL
VQVAEQKQIP VIGAESGTVE GGALATLGID YTELGRQTGE MALRILQDGE DPATMPVETA
TEFTYVINED AAERQGVEIP QEILDKAERV

> RXA00272 (1-372, translated) 124 residues

MPEPETSTMG SIQKSGEVLV PAYSAYKLNG ADLFLDIRHA TAAAPVITFD VNMTMGSM TL
IVPPGVYVEV QMASKNWSDF KVQTTNPLPG APRVFITGVA RASGLKVFTK HPHEPFGFWQ
KMFE

> RXA00273 (1-1113, translated) 371 residues

MSLKLNSRRL ASIAVAVAVG VSGVAAVGAA PATAQQVGAG TPIHVNLDR TVVDPVTGDI
TFHFTDGTFV TLKAGVDGKD GTDGDQGVIG KDATIVDVAT ESNGDVKLTF SDGTVVTIPA
AKDGVGDGEG KDGEDATVVS TATDANGNIV ITFSDGSVLV VANGKDGNDG SDGQDGDAGE
NGKDGANGAN ATIVDQIAND DGSITIVFSD GSEVTIPAPA KGATDELAQC LLNPKMLLLA
AIPAAGAIAN AVAPAIPRVV EDVRAQFNLP SLNPQFDQWL YNATKDIDAG LLISGATGLA
VLSVLADDFC GDIDADDNAD GDVAAEKPTG SSGLGSSSEQS EKVDGDDDSV IDTETDADLE
VEEDPELVNA G

> RXA00274 (1-2610, translated) 870 residues

LSLNLKKN SA RSITALTVAG LGLSIVPAAS AQDVADDTN SDSTRDAICA AAPLVAGAAV
GVGLLSQQPE FQHMVSQIQS DAQRIGQDLS NQFNNSLES NIGLNGVHG PQQNAVQGID
LTEAARTMAG WNDLAAQVGQ TAGPAIGAVA GTAGLIALVD YCWLEGFDFG GGSSGTDGEN
GVDGQDGT SI TITEIKTDDD GNTIVVFS DG SEITITNGKD GAAITIVNTY RDDEGNTVVE
FSDGSTIVID KGEDGKDGED GKDGEDGKDL TVTDTYINDD GDTVVELSDG STIIVKKGTD
GKDGADGSDG ADGVSITVEN SYVDADGNTV VEFSDGSNVT INKGEKGDGK DAGADGEDGA
DGESITVVNT SNDAEGNTLV ELSGDTVITI NKGDKG DAGA DGEDGSNGAD GESITVIETR
FDADGNTVVV FSNNGTEITIN KGEKDGKGT GEDGKDG LTP YIGPDGNWWI GENNTCTAAR
GNDGKDGDT RIGDNGNWWI GIVDTGVPAR QDGDANGADG ANTVEILING WYINGENTGV
KAVGNGTNG ADGQDGENGT NGANTVEIIN GYWYINGENT GVKAQGP KGD KGDGTGDTGAP
GEGSGNVDIE IRESSYPGGG QATIIILDQF EYEIPHTVIG DNGNWIYGEK DTGIPAQGGT
GTPGEDGLTP HIGDNGNWWI GDTDTGVSAS PTPVGEAVAG VTDVVFNTSD EPKTITATIN
GEEYDYTLPP HSAVVFYATG SPMAYSLPNA SGLTVIGTEE TPGFTTIRFS DHSTVTIPHG
RDGTNGTNEL TVRMVSPRTS VRTETGGS AK RTLVRQPLA VAATLVPAMT ASRSQVMILD
SQMMLRPVQR PVQMPKVLLT KGHATTMTD

> RXA00275 (1-459, translated) 153 residues

LDKRRPELSD DFIKAFDDFL HSFACLDKTT ITLLAQSPVR TSTGYTGTFI GIPNNEPLSE
EPTPTIYIVH DNHTGIIHSY PARMINLKSE LGSAEMIHEA IWGSPHQQL ISWYETYYTN
IYYGFNPPE PHKSLEIFAQ DFCLTPPEKP PFF

> RXA00276 (1-342, translated) 114 residues

MDDLSSRQDH EAYGTYNPDN GVMPDHVIVP SPYEPYDDAA PIDPFDYDED LLDEIKEERA
AHAVDAQVTE TTKADADVAQ LATAIDEQNR PTKSCSLRQI ARNYS PGWIS VAQN

> RXA00279 (1-1386, translated) 462 residues

LDTDDSPDHW LDPLTEKDT KRTLVSIVQ ETFGQPIFVA RKIWAFVNTS PGRMTLMTII
ISIAIFAAGY AMSVSSDTRQ SNLDDLITNA EPVSYNAHVL YTSLSVADTT ATTGFVQAGV
EGPVNRVKYH TAIDRAAVAA THTAASADSS NEHLMELVLE IQRQLPVYTG LVETARTNNR
AGNPVGVAYM SEASAMMRNE ILPMASELYN LTSRAVSDQQ RSVTGPQWFP LSGLLAALAM
LIVAQWWLMR ITRRRINKGF ALATVMMMTA TLWVSAANWA TWQAGTKGFE EASGPLNSMT
TARIYAQQTR TTETLSLVRR QSIQSGSGTG TATINQIKRA LDEYETTAQS QTPEHQQLIT

AIRNAIAAWT ADHDEFTVLL ASGDYNGAVN AVLNKDEEGQ TSFDELD TAL AELIADSRSS
MRSYIQSGLQ ATELVSMVM ILSVSVLAL WVGIRPRLQE YL

> RXA00282 (1-789, translated) 263 residues
MSRDDQTNNN GEGDDTSREQ SWDQSWQNLN KDSQYGPTSH PEDAPGGFQG NGQGN SRGNA
QGNGQGNGQG FGPGNASGYG GYGQYPQTP YQNSYQGYGA TSPQNDVALE ASNGKVDIMR
AIRFGFKATF ANPAVWILGT VGLGLAFMIV SGLLG YLSFL IDPNAGTTTS GFSVSETLLN
VAIGIITFAI TIGVMRGALL SVDGHKVRFG DFFKPINVGQ TVILMVGLGI FGITLGTFTT
FLTQNLVSN DAAGTVEVNN SGL

> RXA00283 (1-1128, translated) 376 residues
LALAFLARYD ALIMAFVAMW TVGFMTWRAR YRRGFRDRIG FALVDM LLLV WPIGF AFVAV
TGASWLT TGE LFAQFTSTDG NAAIIAASGG GAIGPQALFD ASVRTFLISP ALLLVAVVAV
FFAYRRRDPE PIIPALIGS VVFFQIITYS LGSTFGLLRF FLTALPLTII LLFQIIPPRH
RFPSLRPGAC YRDRVTGKYV PKTITGVLVL AIFGGTGITL YGMSSANWAP QEYAIQELVF
NMGSPSQDAV HTLNTFSTEM DVADFVDSL N LGDGEVLLST TYGFAVL TAS NNQKQFIIPS
DEDFITTLNE PAEHGVKYIL ALPREGRGAT DPINLRY PDM YETGSHIATM EIEFINQGGQ
QPNWRLYRVL TTPEQS

> RXA00285 (1-513, translated) 171 residues
GTELGALLR VLNREEMMDR FARELGFFVD KQLEEVERIN CHHNYTVQEE HYGETIWLTR
KGAVLADEGT PALIPGSMGT ASYVSGSGKN AEALRSAPHG AGRRMYRNQA KKRFTADLD
SRMAGIVYRP GKEWIDEIPD AYKDIDQVMA DAADLV TIRH KLRQIVNVKG T

> RXA00286 (1-564, translated) 188 residues
VLKIPRLLR RVLPVLITLA LLCGLVLAWF IYPAKAEPKK DDVVLVL AGS SDGRHEYGAE
LVEEGYASNY VVSNPSGSKD KVG YAH CAGK SRPKNAESFC MDPYPVITSG EARTFNELAK
KEGWESVLV TSRTHTQVR TMFDQCYTGD STVLNVNSLG RTGLHNAV LH EIGGFIKFWI
TAPCADTN

> RXA00294 (1-429, translated) 143 residues
MSISNAILRG VSGAYILQSG YGKLGLPNEA AAGIQGLAAT GIPAVADMDS DTFGKFVAYS
ELGIGGALLA PFIPSRLAGL GLGAFSTGLL AIYFRNPAMT QDDGIRPSQD GTGLSKDLFL
AAIAGALVFA PAKKRKKAKN KSK

> RXA00297 (1-912, translated) 304 residues
MGFTVV FIVI GIGWILGRRD TLGTHAQKPL SLFVYYVATP ALLFDRVTKS DTSTIFSLNF
VVIALSALIV GFLFFLLMRF VIKRTAAVSV IGMLAASYAN AGNLGIPLAA YILDDFTVVI
PVILFQVAFY APITMTIMEM LTNKKSTNLV RNLLVTPLTN TMVLAAIAGI AVSLTSM SVP
VVIAQPV EML ANASVPLALV VFGLSLSKSK ILEKGQVSRR DVFTAALFKN VLHPIVAGLL
ALAFGMEGTA LLSAVILGAL PTAQNVYTYA LRFRTAESMA RDTGVVTTLI SFPVLVAVSI
IFGS

> RXA00318 (1-210, translated) 70 residues
VSDVTVG DIL RILDEAYPPA LAESWDKVVL ICVDPTESVK RVGLALDCTQ ALADKAVDMG
LDMLIIHHPL

> RXA00320 (1-180, translated) 60 residues
MAKEDLKWFY DLATGKVFQG KVS GFETRMG PYDTEEEAHH AISIAAARTK AAEIWDDKED

> RXA00321 (1-1815, translated) 605 residues
MGQHLEVETK FSVSESTQIP QLEAIAEVDH IDRTEIHQLS AVYFDTVDLR LTRAKITLRR
RTGGNDAGWH IKFPGTIGRR EVQAPLDGEG ATETLPPREL LGHIRALIQG RELTPIAQVD
NERHMSYLAD EDGAVIAEFC DDHVSTVSHL PGGVRKQWRE WEFELADGTL AEEAISVLLQ
SAQSVLTAAG AFVSNSPSKL VSALDESVNH APKPPQMAQL DKNDPARGVL AAIAANASKI
AEYDPRVRAD EYDSVHQMRV ATRELRS HLQ TFEGILGGED YLNLEKELKV LANILGRARD
AEVVEERLSN LINTEVGDSI EEETKKELLE DLGAEYRREH ERVVRALDND RYTDLLQALE
NLLVDPLIT EVEEPEATEA PESAETTEST DVSEATEEAD AEAESVEEAT EQEESADAPE
SADLDALDEE YSPGSQAPVE EPKEPKK VDA ALVLEHLDK AHVKLVKLEK KARSQWDDLS
IPMLEREENF HNLKRAAKKL RYSAEAVGKA TTVETKKLYK ACSGLQSVLG DYQDAITSRN
ELLRRAQVAR RQGRDTFAYG ILYQHEQTLS REYLTGYSDA FKSVEKAYAK LAEDTAKRSK

KNKRK

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> RXA00322 (1-1104, translated) 368 residues
MTLSHFSDNV TDAQDSYRQI LEESIISHLG FCALRGWTPA DLRHEFSADI DPLLHFHALPE
IAYSCSDEMY TLWVNGTRAA ETSHLPVMTL EKILTELPKL STLPDWAMLA ELHALDNQDT
SPMTPAQAKA HHRITALLKK AESTNFEEEA EALILKAETL RQQYRIESLL INSYDQDVQA
RSSTIRASRV YLEAPWIRHQ YKLLNAIARV HSSEALLITK SGICTLFGEQ DDVAHIIDLF
NSLNRQRAHF MKTSAGARIA QLNGETSSYR RSFMISYASQ ISRLLISAKE DAFNELAGQA
PLAHSIAIPV LENRSVRSKE ALKETFPNMR TMTFKSTNRR GIIDGFNAAN ESHLGGESAS
LEDSTFMF
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> RXA00325 (1-645, translated) 215 residues
MTSIIASNSD LSEALRTHTA QAHEEAHST FMNDLLTGKL DAQAFIKLQE QSWLFYTALE
AAARACAEDS RAAGLLDPRL ERKETLEADL DKLHENTTWR DNVTATAATA SYVERLESIE
AAKDFPRLVA HHYVRYLGD LSGGQVIARLV NREYGVSEEA LSFYCFEDLG KLKPYKDNRYR
AELDALELTA EERAALLDEA SDAFRFNQOV FQALA
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> RXA00326 (1-480, translated) 160 residues
MAIKLSIDLS DATFAELSAV IGYAHQLGVD ADEKLTFEQT VLNIEFDGDL QFDDVDFDAFD
EAEIELDNPR EDGPIYADDL IDEDEDYRAQ TKSQINDEVI NEIRDGISSF VDGIVNGLGQ
GRRGGRYGDF GGPRGPRGPR NDGPFPGFPGP FGPYRGPRF
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> RXA00334 (1-336, translated) 112 residues
MAKLDDNVQI ETVNVSFEAG GRTNWHTHPV GQNIIVLSGL GIYEAEGEPA RLLEPGDVVF
AAAGVRHWHG AVSGAPMFHV VVNLKGIDGE TVDWEEPVDE EHYRSVSAEL QR
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> RXA00336 (1-471, translated) 157 residues
MAKPKRSWLD GPEIPADFDD PDAPGRWPGE KLGLPQEGAG SLSSVARRIG GVCVDWGVSW
VIAIVLSNFT DVLGDVATST LIIFVILGWL TGWIFARTPG HAVFGMGLAR VDAEERVGW
RALVRPLLT IILPAVMVDA DGRGLHDKAT GTAVIRG
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> RXA00337 (1-525, translated) 175 residues
DVEGGVEKHS LSTADIAARA HAHMKSHDVL GRQTTPPQPE GGVAARLGGI AWTMIHKQML
SRDTKGLDIT VLSTIPEGVG LGENSAMDVA LALALYRENI EEAPTKARIA DICSQSFAFMF
SETSVLRARH TEALRGETGH ISVVDYADGS VTQAPHPVSR SAGLSAFVAA AQTET
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> RXA00338 (1-783, translated) 261 residues
VGITAGRPIA TRLLGGMDKW GVHVLPKDAA YLKKMLFDAG AGAIGDYREC AFEIEGTGQF
RPVEGANPAE GDVDKLFKSL ELRIEFVAPR NLRARLTSVL REAHPYEEPA FDIVEMHSAE
SLENATGLGR VGELPEPMRL ADFVQOVANN LPVTEWGVRA TGDPEQMVS VAVSSGSGDS
FLNDVIKLG VDVYVTSDLRH HPVDEYLREG GPAVIDTAHW ASEFPWTSQA QEILQDKAPO
VEVDVISIRT DPWTMSARAV N
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> RXA00339 (1-717, translated) 239 residues
MKLDPSLHKT LLQLATTLRT QNANSAPKTT PEQEAVDKAV AELSRNRDAA SAGQMAVDDM
ENEILRIQSD ERKLRRRKKD GQDALGAETD EERRRDLNHD VYTAKSRIAD LMSELQEAHN
EIHALLRNNRD LAQSRVKDTE RKVADARAAA EAAAAATPEG EDPAVVIAHL EEKLPSEALA
EFHAQRLENG VGAALFNGRS CSGCAMVLPA TGISDIRNTP KDEVPQCPEC GSYLITDIS
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> RXA00342 (1-429, translated) 143 residues
VADAPGAVKQ GAQDYAQLLG IQSGHIVQEI GWDESDTLI SESIEDAIGE ELLDEETDEL
CDVVLLWWRE DDGDLVDGLV DSIRSLAENG RIWVLTGPIG KEGALAPGVI SESAQLAGLV
QTKAERLGNW QGSCLVQRGN KKP
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> RXA00344 (1-579, translated) 193 residues
MSFGLGLSVL FIHLYPGRSS TAFSLLTGQI VGVSSSSLWI LVAVTVIVVS AVVIFWRPLL
FASADPIMAQ ASGVNVRFIA VAFVAVLGLT TSQSVQIVGA LLVMALLITP GAAAVAVTAN
PVKAVVLAVI FAEVSAVGGL LLSLAPGLPV SVFVTTISFV IYLVCRLLIGW LRGRGAQRDE
DAYRRRQHDH HPH
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> RXA00349 (1-1059, translated) 353 residues
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EKILDELEQS PASYGFPVAL LGWPMGGAVAL VLLGGGCQV SLIAFITAFI IATTSFLGK
 KGLPTFFQNV VGGFIATLPA SIAYSLALQF GLEIKPSQII ASGIVVLLAG LTLVQSLQDG
 ITGAPVTASA RFFETLLFTG GIVAGVGLGI QLSEILHVML PAMESAAAPN YSSTFARIAA
 GGVTAFAFAV GCYAEWSSVI IAGLTALMGS AFYYLFVVYL GPVSAATAIA TAVGFTGGLL
 ARRFLIPPLI VAIAGITPML PGLAIYRGM ATLNQDTLMG FTNIAVALAT ASSLAAGVVL
 GEWIARRLR PPRFNPYRAF TKANESFQE EAEQNQRQR KRPKTNQRF NKR

> RXA00353 (1-693, translated) 231 residues
 VGRSFTNRTF DPLPFMVVYP DGVDQHWND RLGLDENTRH LGIDDVGFV KLATHLGNTY
 GIKRIFIVGY SNGGQMVLR MHEVPKMLSG AATIASNMPV AENTLPQVKT FKTHVPYLA
 MAGTADTFSP YEGGDAGIGR EHRRGVGMSA FDSAAYIAAR NGLTEHRHDV IDDVVSIDTW
 DGENPVEFWT LNGIGHLVPS GKTYPEFLGP STTSVIAAEE IGKFFDGVRR R

> RXA00355 (1-126, translated) 42 residues
 IAFGRAAHM KQQGQSGAFT VLEVAPYLLS PENLDDLIAR DV

> RXA00362 (1-960, translated) 320 residues
 DEKTGWAER SATLVAGNSG LGVALPPNST MFIILALPAA AASSASQVYI ALACGGAYAV
 LYRLAVVFYV TRKDKIPATP DDQRVSFGEA MKTGWRSP LI FLGILIPVIL TIGPLSEWLK
 THGVGESGVK SMSIIVWVPI LITAIALIEG RKRIANNMAH FRVQISKDLP QFATVGISLF
 SALAAANIME ELGVGPQLSN WLDSMDLPKS VMVIVCIMC IVVATPLSST ATAAAGAPA
 VAALAAVGID PTVAIVVILL CTSTEGASPP VGAPIYLSAA IADANPTKMF VPLITYFVVP
 MILLAWLVGM GFLPVIVPTG

> RXA00373 (1-339, translated) 113 residues
 MDIQQLDAET TAWKDSLLRA AQEAGFHFE PKLFEDFETM VEQYKQAAAS DPDIDVTDIQ
 QMWGIVVGEY LREKMGMEWV VITDDYGTDL AILATAPNGD HVYSCPIIVV GKR

> RXA00375 (1-501, translated) 167 residues
 MFPSPATGGD DINRRPLNEP NADATTIPTA LKVVFWMLFA TAAFMIFTGL VMYTAGYTGP
 DDVDESYKAV VVNNQEFIGG INAFAGVVIA ALTSQLPKGG KNPRRLLLAI MLLVLLTDLL
 SFATRAGGFA LAIIAVLLAL EALLMFRPAV NDHIDRNHMA RVMNREK

> RXA00380 (1-621, translated) 207 residues
 VRLTKLAATI GCVTLISGLAL VACSSDSTAG TDAVAVGGTF QFHSPDGKME IFYDEADRQQ
 LPDIGGDSLM EEGTQINLSD FENQVVILNA WQWQCAPCRS ESDDLQIIHE ELQAAGNGDT
 PGGTVLGINV RDYSRDIAQD FVTDNGLDYP SIYDPPFMTA ASLGGVPASV IPTTIVLDKQ
 HRPAAVFLRE VTSKDVLDVA LPLVDEA

> RXA00387 (1-813, translated) 271 residues
 QNDPETWEDY ELRVNHPLRI EGDRVYLQGH GFAPTFTVTW PNGETRTQTV QWRPDDPTFF
 LSSGVVREFD PAGMYPDLYE RRQNQLAIQG LFAPTAEWEG DNNELLTSSY PAMRDPVAI
 DIYRGDNGLD TGIGQSLFSL DSSLMHSGVL QKIERVNLQI GDTVTLDDGT TVSFDFGASEF
 ANYQISRDPD QNWVLVTTVI SLVSLVGSML IRRRIWVRF YPQENGTRV ETGGLARTDR
 AGWGGEYEKE HRELLGLKEE DEDEEYFDHD D

> RXA00390 (1-405, translated) 135 residues
 MSTTREIAFL IARILLGVIL IAHGWDKFAI TGLEGVTGFF DSLGIPAAGI AAIAAAVVEL
 LGGILIIILGV FTRIVAAFA IDMLFAALFA HVSSGIFVTN NGWELTGAIG AGALLLIIVG
 ASAWSIDGVL AKRKA

> RXA00392 (1-864, translated) 288 residues
 MWVGAVRQI ASVFLTLRM LPLAARNRVA RGRIPETGDV VISLTTHGKR INYVHFTIES
 IARGHVKAPI VLWLDKPDFD APWPATIKRL VARGLQVRCS DGFYGPHTKY WNQFREIHGT
 GVRVATVDD MIYPEWFLQR LLFIGDLRMD AVVAYRAHRI ELRDDRLPY VKWSAADTSK
 ASFLHFATGV SGVLYPVTFI DYVVSQGDVF LENCKRADDV WLHACALRS HPIRQVYAQP
 RHFAVVPTTQ VGALVVGNTL MGGNDEQIAK VYTDVAKL VAASKNED

> RXA00394 (1-333, translated) 111 residues
 VSESNTPNLQ THQAPENLPE LQKAARKNVL IYGLARLLLF VVLTLLIHS ALLISAPVPL
 VMSAMLALIV AFPLSMLVFS KLRMNATQAV SQWDAQRKAH KEWVRSELAD R

> RXA00395 (1-300, translated) 100 residues
VGRLLLIILV IVAIVLLWKA FKPSTWKRNA EINQGQAPRA VKGPDDDEEF LWNIEKNRFRK
QRRADEAAQL EEEERLKRAR ERYAKPESSE EGPEKPTEDS

> RXA00396 (1-471, translated) 157 residues
VTEIAENLQR LGIELPDLPA PQYSYVPFNR QGNTLYVSGQ ISRTAAGDIL AGRVGEDATL
EEGIHAAEVA TINLLARIHQ SIGLDNVAQI LKLNWVWNSS DDFIQQPQVA DGASQLLEAV
LGEAGKHART ALPTNTLPQG ALVELDAVVA VTEAAEV

> RXA00397 (1-540, translated) 180 residues
NLHSSNRMLF PGPPVDFPIN AETRCIQLDA GVAVKKDGVV LGTSDMARSL PRTAAGQEAY
EYFFKVVRREG IIGQLRPGVI CADVHEATLD YLSPQLPRMI DIGMLGADTD FNTIYRKRNV
GHLMGKQESF ANELRPGYKH ILHHGSYGAA EIPWRYNGVA IGTEDLWYIG ADKTYILSOR

> RXA00398 (1-681, translated) 227 residues
YLPEPFTVED YTARVEGLEV AGGAIVSGSF QAFDQGYLKD ALAVLGPGYV GVTQIPADTS
DQEILDLDKA GVKAVRLNLK RGGAGLDDL ETLARRVHDL AGWHTELYVD ARELDELEST
LASLPAVSID HLGLHRDGLP ALLRLVENGI KVKATGFGRV ELDPTTEVIQA IMAVDPTALM
IGTDLFPSTR KRPFEDADLD LIAETVGEDH VDNVFWNNAA AFYLGDDQ

> RXA00399 (1-315, translated) 105 residues
MSHNDSPNFA RRALNWLROG YPTGVPRHDT FALFYVLERE LTEDLNELA ELLIAEGENN
GLHDNPITRE KIGKLITHVH SQPPEDEDID RIQKKLQAEF FPTRN

> RXA00408 (1-447, translated) 149 residues
MNPVSPKLT ARYLTRIPWL LISAIIVFGLV GVVFSSWFYA GVIVVAVILI WQLWLIPQQV
KRLGWLETSD ELLITKGKLW HTFTVVPYGR IQFVDVTAGP LERAFGMKQV QLHTASASSD
STIQGLPVAE ADALRERLAI KARERMSGL

> RXA00409 (1-1413, translated) 471 residues
MSSLEGFRKV HRATPFLRIW TIIVAVLAAF AFNSGASVLS FIWGVVTGEY GFAVLPIILLT
VGGAVIVVAL AWIITGIWWK AVGFRTITNEE VQLQRGVISK DLRTARFDRI QAVDLVESFI
ARIFRLAEVR IETAGGSDSA ISIGFLRKSE AEALKRELLD ASQHSVATTP AGVPAEPGVG
ETVVVESAGD VLVPPQIPVQR TLASTALSLA TIITAIGIVI LLFVPPGVSI AVPPFVGMVP
AVWNLIKDSW QFTATQRNDV LHSVSYGLANR RKQSIPLGRI HAVKLKQPLL WRLVGWWTVT
VPVVGYGDTT QGGTSKILPV GSKELALKVL EAVGPLNSAD IAESADPSHM SRPQYTPPVA
ARLLTPVDRT RQGVTLIGVA GAPGAVVHE GRFMPRMSVI DTSHIQELTL KHGPIQRILG
LSTVVFNLVQ GPVGMMAASDL SAADGKELLN ILNRNKLPLAL ESAPLGQNSL D

> RXA00411 (1-675, translated) 225 residues
MNEMILAADW NRLGPTFQTA IIDTLLMVII TMVVAGLLGL VVGLLLYTTR AGGILKNKVI
YTILNLVLNF VRPIPIILI AAIKPLTVAV MGTSIGRDAG IFVMVVAIF SVARIVEQNL
VSIDPGVIEA ARSMGASPMR IIATVIIPEA LGPLVLGYTF LFIAIVDMA MVGYIGGGGL
GDFAIVYGYR AFDNEVMYVA VLVIVIIVQA AQLLGNWLSK KIMRR

> RXA00416 (1-327, translated) 109 residues
TSHYANPLGE FGNRNAFIED LAIRSWNELA DPQQFSDALN TSPWTIPEVF IFRGSIDDPD
AGWKYDVAED LYPNNPNVRF RGVYFNPESE DQMWOQTKQVG PFVVVTHNE

> RXA00418 (1-1065, translated) 355 residues
LASYLSPTAL VVAVLAIPLS ATRLYLDSIS VDQGFRTQFL TRMADDIGLS DMNYIDMPTE
YPAGWFWLGG RLANLLGLPG WEAQFPWAIW SMAVAASVLV PVWQRTGSL PVATGIALVT
TCIILAMNSE EPYAAIVAMG IPAMLVLASR IAKGDKFALA GGIIYLGVSF TFYTLFTGAI
ALSAAVAVCIV VAAIVQRSIK PLLWLAVLGG GSIVIALISW GPYLLASING AERSGDSATH
YLPLEGTQFP VPFLASSVVG LLCLVGLIYL VVRFHNNNEVR AMWVGIAVFY AWMGMSMAIT
LLGNTLLGFR LDTVLVLIFA TAGVLGIADF RLASVYQLYP TQITERTATH LTNLI

> RXA00422 (1-423, translated) 141 residues
MPTNYARDNV ISLASAREQR SGKPEPKPEL TLIVRATNVQ ADGEVHRQIG LNSAMSLDEL
HNVLNIVFGV GGEQSPWRFE DQFHQPSAPD TNLGELLPEP GDFLFYFWGL WQFNLCQVEM

YPRDNGTPRA LCIGGSGGLG D

> RXA00423 (1-453, translated) 151 residues
MTYPVLSVLD NSGDHNIWH VQTYPAALPT GAWIADEQQL TDLLKDTVVF LTPGSTAPEN
APVATIEGVR VDVDKQVAEY NKHGIRLPSL GARTVEAQYR GEPEAEAAWR TAMELVEIAG
GWLEIEAKRR ARKALAEAFG AEVQPLPLDT E

> RXA00424 (1-471, translated) 157 residues
LQVAAGSALI GAGVAVNDYV QSPVRRRAISY GALALSGATV IAMGQDPTGE RSIIAKDSAT
MVDQIRQEIG DLGVTPGPES DVDAITERGP LVTWLLLAFF VVAFFTLAYF SMRMDVAVMR
RIAKFFEKRG ASRPFTCTGM VYAAFIYAIC ELEARTK

> RXA00425 (1-225, translated) 75 residues
MFERFKKAKA PEVHIAAERT NLPLNDFMTR LFAQELPLLD STSRSEVYRL LREYDGPTIS
SQEEIPAEIR ELMDL

> RXA00428 (1-633, translated) 211 residues
MPGLVLSTNV AHIQQDPGGD DRISGINKLP VATGIDVFIP GPNYGDGSGV VGDAIGDSLH
HGGAHKAIYA YSREELDDFD PTYRNGYFGE NLTTSGIVLE DLLINQQVRI GTTLLEVSIP
RRPCRTFAHW LDIKGWLKTF TQRLPGSYF RVIEEGHINP GDPIEVLQAP DHDITMSMAF
RAKMGNKDLA RRVVAANCLP ARYHEELLKL I

> RXA00429 (1-402, translated) 134 residues
MKTFNPTMIA GLIGVLYFVL LTLIFSIQDM ELAAEIAFGI VTIVGLIAVW DNFRDRNNST
WKTWTGLVGG LLIAPPGICL LVGNLVLLAV DGNPSTMVNT LLSVAGIGAI FLLPIGIIMC
LIAGFNRYYA ALKV

> RXA00430 (1-411, translated) 137 residues
MSLKTQAFRF ILTGGLSAIV DLGLLSLLQL VFGLPVPVAR TISFIAGTTT AYMINRRWTF
QAESSTSRFL AVVALYGVTF LINIGLQTLG SALFENWGWV EAVAMVAVFV IAQGTRNGHQ
LHRPKNHHP SEVRYP

> RXA00433 (1-525, translated) 175 residues
MDVLKIAIIA AAMIGVPVLV VFLIVFAVHK LAKEVPRSGR RPGIGLGLLL GFVAGLIVWF
VWLSWGGYYE NEFGMQGPY RPWQVVACGV TMVAVTIVLG LWTRWTASGP FYSALGGASG
FSFAWAMDAI PQDETGLSAF GLVMVIVGVG AGLNVVATLT SIGATIWNRR LPSNA

> RXA00447 (1-300, translated) 100 residues
MLGSLWRFVAV RTAAGAVALW VVIKLIDGIS LSFPTTPLYQ DGQHDNLLTF LAVAAIIVVL
NATVKPVLLK LGLPLTIITL GLFSLVINAV IMLLAEYVSD

> RXA00451 (1-492, translated) 164 residues
MNTEEDGLSF AVTATLVEGK WQVREFEDHF SKLST SINAV RSLRSEGP AF ALLCVDDEYF
VMVRPTPSRV FLFLSDAPMA VDDDFAAAVM DELDADLPDI NPDDLDDIDP WPEGDFDILA
DLGLSEEVLS VICDDMDLDP SEQLLRIAEE LGFDNDLARV VGFD

> RXA00455 (1-618, translated) 206 residues
ILLALFVAVF LISNITATKG VEIGPLVTDG AFFLFPISYV LGDVLAECYV FKSTRRAILT
GFGITMLAAL SFYISIWLP ASFWEGQEA F EATLGLVPQI IVASLAGYIV GQLLNAKVLV
AIKKRTGEKS LWARLIGSTV VGEFVDTL LF CAIAAPVIGI ATAPDFINYV VVG FVWKTL
EVILMPITYA VIRWVKRREG YETFDA

> RXA00457 (1-1080, translated) 360 residues
MTIALEHPVL HSTAIALPAR FQASYTTRLV AVGVDKRPSD FWLETAGTPQ AGDVVIARVT
AINNHKRVET PESRKAILFE GVLVMLAYGH RYAADQFLAH VPEDLGPCHL VAAGGIAGTV
TALHDRVDEP TEIEPLGLLT NARGTVNVRD FAFDNPLKV EAPNKRAQVI AVLGTSMNSG
KSTTLACLNV GLAAAGQKVA AGKITGTGAG NDRMIYHDAG AHSVIDFTDF GYPTTFKLN
AEIRALSVNM INVLADSGAD TVIVEIADGI YQGETSRLLR DQVFQEAVDH VVFSVAVDALG
AKAGVQELQA AGLHVAAASG VMTASPLATA EAAAVLEVPV VPTFDLTNPE IVTAVLTDHA

> RXA00462 (1-1380, translated) 460 residues

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MEAIAILFVI GAILVVAVIV LGIFFLTSRT WIKVAAADEA LIVSAKKKGE SQVIVHGKAV
VMPITQTHQK ISLRSRQVNM QVTAQSDDNV TLNVEAVALV KIGSEAEFIR RAAQRFASSD
KEIVRFTQDQ LEGVLRGVVA QQTVTSLMRE RKKFSEQIAE TVIPELEKQG LILDSFQIRG
ITDDVGYIKS LGAPEIQAKK QAAEIAETEA ARAIAKSRIA NQEADLVEQT QLDANKAAAD
AQVGEARAQA MQAERLADEK ARLEVLRQQA ENKQIELEAE VNKVADAERY RRRQVEEADT
FEQTRRAQQA VEIAEAEATA AKVRAMAEAE AVRLKGQAEA DAIKAKAEAY RENQEALLAQ
QAMEILPELM SNFASGYANI GSMTVLSGGE GSENSVGSRF AGEQALGLKS IIESVKQTTG
IDLAEIIQGR AAGHAQGSQA GAAIAEALSR DETVEDRSEK

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> RXA00463 (1-822, translated) 274 residues
MQTTTGETSI SNETSFNASR ETSLTALGFL DYLDDEQRRA LLGEGLDIST LTWANQVTAL
RVLESLEFNEH AYELVSAVIQ HVAQEPGDNH HHFLKFSPEP STENSWELTL DGPTVGLKVT
FDPDQGQITFK DAHLGLSPAEE VVSVTEALDT SYSESQIKKA AEQLVGSLNP TQQAALQSGG
LRGAQLTEEQ KTLFLKMTSN WIDLANGDSG SEQQEEIADT FSDTYIIWNE QKDGSFAFFQM
KGPELDIFS YK ESVPENAEELS ARGVPNIQTS FQSP

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> RXA00468 (1-819, translated) 273 residues
VKVVDAQVVM GPHTAMSGAA VGLAVAQILP AEWGGVTTAT EAFIYAGLAA GAALLPDLDS
PQATVSRSGF PITQVISRFT ENICQTFVNV TRGRKDKHCN NGHRTLTHTV WSAAATGAGA
TALIGAYGKP AVIGLLFFFL GLAIRGLMPE WSKNADWLLV TGASAALAVG VWNYPAPSSFF
GIVLGSATITV GSLTHLAGDM ATKAGIPAPA PVIPLKGKRW WNLKLPKFLS IRANGPADKF
LLFVFSVAVI IQIGLVSSGN MSTIMMNLIS PAL

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> RXA00469 (1-1176, translated) 392 residues
MSTFQEPHHN QGFIPFAQPG YEAPTPHLAT GTFQOMWQTR PARIPAKQGG HAKVAGVCEG
IGVRYQIDPV LIRLFFVVTG VFGAGVAAYL IAWLCMPRYS VPVSPIEALW TPGHTKDRNH
GWVLVIAFFM FSGVLSSGAG GISGPAAAIT YLCLLAMWWA LHKQKPLPPR GLLTTEFTVS
EDATMKNEEDL YPRPQPDLS ITPEVEGYAP FAQQTPEAPH WDPLAQNQYN TWDVQVPPQK
PQKKRHVWPW IVGGVVGTV VMSALAGLFI SNIDPIYFED DPGIGDVNLI PTNDELLSSY
TSGVGEMNLD FSNLTQLDQE QNVQITSGIG EVMVTLPDDV PVSLSCSAGV GTARCDVGD
AAHNADLEGP MLNLVVNSGI GDVKVEFADQ ND

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> RXA00472 (1-861, translated) 287 residues
VSSVATKTTS TLPEMNSAVS ADGVTITIDS AFTTDSVEME SLDRPSGDIQ PEMSREDGIF
VVVETTIKNE SGADMDITCA STGSTVYAEI STNQEAHYQP IRDLFLIPGN PECNHNLSGSG
FDAPMTWVFQ IPKDATAERF GFTHSELGDG KLTWIALNDL SNSEPAEST MRDEAAIDPS
TPQQTVPVQET VISQNTIETP VAPAPAVPAY GASCPVSMLO QPSQAADGSA LVCIYAGTPN
PIWVYGPPEPL GVGATPAGGA CEGYEAGGQD ASGNIMMCSG GQWVYGP

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> RXA00473 (1-765, translated) 255 residues
LWGDGTPVSL PDLGSLRAE RIDALSRMS TMGAAPVKFE PSVEESAEQK QDSLAEKQDI
VAVPSAFSDL FPGDGLPRRA VTQLVEQPLV VVDFLAHITA QGGHAAVIGW KDLAYAGVID
SGGVCENIIA IPNPGTEPLN VAAVLCEGLD VVVKYKPEIS LSPTRARPLL GKLRQGTAL
VMVGTKVSSP ALSVDAEITD YVGIGAGSGR IRGVEMQVRA VSKTHGVRSG KVLISRPQDA
ALLEPEQPTT LRAVP

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> RXA00474 (1-1578, translated) 526 residues
MALWFPDWPV QAVHLDEDAP AHNKPVAIAA HYRIQVCGVA ARKRGVRRGM KVRQAQAVCP
ELEVVDADAD RDARMFEGIV ASLGEVASS EVLRPGLVAV DAGAAARYYG SEDIAAQMLI
DAALRQGIDV FAGVADEITT AVIAARANGG TVVKREASRS FLQOQPLGVL AAEEALGCEA
EVVRALADLG MRTLGELAEI PVEAVATREF NAGLRCHNIA RARHDRKVAP PITHADWEVS
HVPEEPILRV DAASFVARNL ASRLHQLLSK GGVVCQLLV TADFSTGDTV SRIWRTGEPL
TEQATADRVV WQLDGWLTAR GVHSDDPNEH DGITALWLIP LECVPPDMAS GGLWDTGRSQ
QHVARQVIER VQSSLGVDV LQVPVAGGRG VEERIHFPY GEKRDARNP AGSWPGKIPG
PLPARLGGGI NHPASQVTMI DTEGQRIYVT AEALLSSSPY ALSWGPARYL ITGWAGPWPV
DDRWEKNGT KYARLQVVGK AVSEERQLNA WLLMWKDNKW RIEATY

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> RXA00475 (1-660, translated) 220 residues
VTQGYGVCMI VQPTSHSKHR ARKTLAIVG ASALTLAGCG TSNSTTNDAS SVTQTMASATA
DGAQLSNEAS TGPTALGEAD VAMKTLRPDA PAQLMVTDRV IGSMSGFDRV VFDLTGTGTP
GWFDYTSNP TQQSGGNTIN FTGDTALNVN IDGTVYPFDL GLEDPEIGTV DGSGSIVTQV

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VSAGTFEGRS QFVIGLNGKH RYSVTELQDP HRLVVDVLAQ

> RXA00476 (1-861, translated) 287 residues
MTLRCSDEVN EPLPGTAKTG SGFVLEHAG SWSRDVLDGG TFDPELTDQL KRHLKASGMG
LQLIRKPGRE GRNVEKHNLF LVFAEASIE HLVVDAPADV LDLDLSGPGK NNAQRMDDPM
LLICTHSHKRD VCCAIGRPL AAVEPQFGP LHVWEASHTK GHRFAPSMLL MPWNYSYGLL
DEAETVQLFQ GALDNKFLFP GNRGRGTLD RQQVAEIAVA EAFGEAVAPA SLQVEFEDDS
VLVTHPDGRT WVVELERIEV DGVVSSCGDQ PKTGKAWVAR QVTELG

> RXA00481 (1-585, translated) 195 residues
MLNMQEPDKI HPAEPTLRNI YDVKTSDPKS ELVDRSGMSE EDIAQIGRLM KSLASLRDVE
RSIGEASARY MELSAPDMRA LHYLIVAGNA GEVTPGMLG AHLKLSPASV TKTLNRLEKG
GHIVRNHVPV DRRAFALMVT DATRGEAMRT LGKHQARRFD AAKRLTPQER EVVIRFLQDM
AQELSLNAP WLNTE

> RXA00485 (1-2043, translated) 681 residues
LPQGPGEIAV TTAPGAPEVG EHVSIIRLSQN TEDTEVLVVG VVEPAAQETL GGAPFVVASP
DALMEWNSSG VRGEFRVATS DPASLEAASF SDATVVVASA EGHVDKLADS YLQQRDRYFL
LLAAFVAVAA AVAFVLVFSF YSVLTGERVR EFGLIRSVGA STPQILGSKI FEAGILGVVA
AGFGAPAGLM AARLLADNAA RFGIRVPIDV IDLPSSTMWL IAGVGVVMSV IAALPAVFSV
CRKSAVESLS TPAISRTSPW FGALWLLLAG IVGAGGMWAY EATSDYRGMR SVALSIAGSG
ALVCALLIAT AVLVPWLLHV FSRIVGGTVP TLQLGLAFAA KOKSRSAALI AVILAGSALS
SAVLHGQAHG GTHLVAVAKG MGGTDMMVTA LDGEIPAGML EEISSIDGVK TAIAPATTAV
ELEDGSGNFSV LMLAEDGAS VMRAGDTGAP AGGLVLGRNS PDQDAYPAGQ AANIIVADTP
TQAEIFHSDN YFSMIDPALA TGPSTTRNVL ILLDGDSNQA PDNATAQAVR KTISLFDGRY
SITEGFSARQ NTFELVSRT TMSTLLAIVA LAIAAVGLIN TVALTISERA RDRYLLRTIG
LTSTGQILVM AIEMIALSLP AAIVGAVSGG FLGRFVASSA TANTAATAPLQ VDILGGTVLA
MVAGSVLCAL IVLANKRRRV V

> RXA00486 (1-702, translated) 234 residues
HAIMAAVDHA RAAVLDSLSE VSGTLKVTSTF QSLFLTLAPK AIARLTKYK HLQVEISQLE
VTAALDELRA RRVDVALGEE YPVEVPLVEA SIHREVLFD PMLLVTPASG PYSGLTLPEL
RDIPIAIDPP DLPAGEWVHR LCRRAGFEPR VTFETSDPML QAHLVRSLA VTFSPDLLTP
MLESVHIQPL PGNPTRTYT AVREGRQGH AIKAFRRALA HVAKESYLEA RLVE

> RXA00490 (1-903, translated) 301 residues
MNKQSAAVLM VMGSALSQF GAAIGTQLFP LNGPWAUTSL RLFIAGLIMC LVIRPRLRSW
TKKQWIAVLL LGLSLGGMNS LFYASIELIP LGTAVTIEFL GPLIFSALVA RTLKNGLCVA
LAFLGMALLG IDSLSGETLD PLGVIFAAVA GIFWVCYILA SKKIGQLIP TSLAVALII
GAVAVFPLGA THMGPIFQTP TLLILALGTA LLGSLIPYSL ELSALRRLPA PIFSILLSLE
PAFAAAVGI LLDQTPTALK WAAIILVIAA SIGVTWEPK MLVDAPLHSC CNAKRRVHTP
S

> RXA00491 (1-420, translated) 140 residues
VYVVLATSAN RVEDVNFDAM MPRDPFADDP NDPASFITDD DPYDHPEPLS EEERIHSVQD
LRLVMEFKKV LGPRGIEGVF FMCEDCEEH YDWDIMAA MRATLAGELS PVHEPSAQPN
IDAYVPWDYC IGYLDGLEAK

> RXA00493 (1-324, translated) 108 residues
FEGDQKGVGR ALATALGKPA YWIASNAGLD GSVVVARTAA LPNGEGFNAA TLEYGNLIND
GVIDPVKVTH SAVVNATSVA RMVLTTEASV VEKPAEEAAD AHAGHHH

> RXA00496 (1-402, translated) 134 residues
MTRRLHGGEQ DGQEHVKGQL KQLFDDDAFL TDLSRGVDPS EGDDALAGLL LDLTKEAQEP
PATMPDWSTL LPGILDQDQD LPVESTSDTT VMQASNPAQ EFAPVSISDT PNTATNSADA
DESATVVPLA ARRE

> RXA00504 (1-246, translated) 82 residues
MTYGFLVNTD LTHRAIDFDL ENAAKFLGGA DDGRVAVAFQ EDGTLYAALY SASAKDEGAA
ANPVASLGRN AAATGDGSFF SD

> RXA00505 (1-252, translated) 84 residues
DLIHMDAYRL LGEDSEDADP IGALDSLDD TDLDLAVVVA EWGGGLVEQI ADSYLLITID
RETAVQEDPE SEARIFHWEW REGR

> RXA00506 (1-1341, translated) 447 residues
VLDFLAANPL IALVVILAVG LAIGQIRVFG LSLGAAAVLF VALVVSTANT DIVIPMIVYQ
LGLAMFVYVI GLSAGPAFFS EFAKKGWKL IFMLLLLATL IGLAWVLIKS LGLDAAIGTG
METGALTSTP ~~GMAAVVELIE GIDPSLASEP VIGYSLAYPG~~ ~~AVLGS-IVVAA-VGAKLLKVN~~
REDARKEGMI TAPLVWKGQV LKPGITGRVG DLPRLAGESI IATRIVDDPH THRLADPDLP
ITEGMELLIN GTEEAVDRAI KALGEERETK IEDTELIYTR LTVSSPEVAG RTVAELDTVA
HGFMIARIRQ GDSEVVPKPD TVINYSRIR VVVAPGRVAE VRRFLGDSEK SLADVNLLPL
AIGLSLGLLL GAIPILPGG TTMSLGFGGG PIIAGLILGA LKHTGPLTWQ MPFHANRTIS
TLGLALFLAG VGTSAGAGFR AALTDSS

> RXA00507 (1-855, translated) 285 residues
VAENLNKHL KLSKRGRHRV LVGDMNYAGI PGKIYTPAEG DGIPGVAFGH DWMKSIKYYH
QTLRHLASWG IAVAAPDTEN GFMPDHKGFA SDLESSIQIL GGVKLGSNGV TVNPACLGVV
GHGMGAGAAV LSAANRDLVR AVGAIYPAKT SPSAIDAAFA VKAPGLVIGS SSLGLFESGE
PAKLAANWAG DVCYRESEK NQQGFSEDTM FKLVAGIGSP QTGAQETVRG LLTGFLHQL
AGEKKYKAFS EPDAEAKKV SYFGQELQEH AFPKDTSPFA FLNEK

> RXA00509 (1-177, translated) 59 residues
LVDVELSAAL LDPPELPELA VLELEPPEEA AAEEVAPPDE PPEAALHNGF GSVSQTCTFP

> RXA00510 (1-531, translated) 177 residues
VEKPVEKTPE KPVEKPVEKQ ECEEKPDNDP EXMQXXEPVE CEPTPKPETE PEPKXDTHAX
XPGTPTPIPX ARXLRIXXXX XQGXGTDSX XXXXXESEC APENLNDVPEE SDLIGQLIKG
AIGIGIVVVG VGLLVNFLEQ CVPVIEVPV PEPEPIPEPA PQPEPTSVKP PESELDK

> RXA00515 (1-480, translated) 160 residues
IESYIAQDDN APTAAELQVR LDAIESGEGL AMLLPDDPTL ADPNAEESFK TEYTYDEAKD
IISGFSSDPA SDVLSQLQQA ATTGTRTAEI RAEVFADRTD DYNESQTALK EDFQNCIDAI
DDARPIPLQY ILIGGAIALA VIVLGIRAWT NSRQSKHSQ

> RXA00519 (1-513, translated) 171 residues
MAGGGLFETG AGGSAPKHVQ QVQEEHNLRW DSLGEFLALA ESRHELNNN GNTKAGVLAD
ALDKATEKLL NEEKSPSRKV GEIDNRGSHF WLTKFWADEL AAQTEDADLA ATFAPVAEAL
NTGAADIDAA LLAVQGGATD LGGYSPNEE KLTNIMRPVA QFNEIVDALK K

> RXA00520 (1-198, translated) 66 residues
MRFSRVLPAL LITTAVS IPT ASAATLTGDT DKELCIASNT DDSAVVTFWN SIEDSVREQR
LDELDA

> RXA00527 (1-1764, translated) 588 residues
VIATSDVREI SSEGIVARVS VNGNIEAART TTIYTSLTVP VANLPVAVGD RVAADQVLAE
LDASALQRQL DETDANNARA AMANRNSIAQ SQQAYEQSRE LLDSGLSPEI NSARSSLRAS
SQAYQDAIRS FEAQRDVG GLDSTMVAQS DALKAAREQA DAAEIERLRA DFGLLNDRS
NLNDVIGLLD ERESLASAES ELAQARAAGD LEAVAAAEAK VAGLEQSIAS KTSTWPSQDQ
TYLQSYTALE EAERRVASTT EALEIAERIY IDSLGKVDSE LAAAQRAVAE AHSQQDAAL
GLETAQLSTQ HQLEAQSSAI DAALGLASVD NEAATRSTSQ LRMDINNTTV RSPYSGIVSS
VQAAQQPAA GALLSVADD ELKITANVKE AEISNVTIGS RVTFTTPSTG TKEFAGRVSK
VSPIAAAASA PATGEGAAAG ATTTNTDVTF PIEISVTGDR EGLNLGGSAR VRIVHEIAPH
VLTVPLEAVY KNDDGKDAVL IISDDNKVEE VEVKTAESDD FDIASGAGI SEDARVLTQP
GNRYRLIGET VKLHADTVEQ AAPFSPAAP FDPAPAVSA KQTVGQVI

> RXA00528 (1-1089, translated) 363 residues
MSTSTIRVAI AGVGNCATSL IQGVEYRNA DPSETVPGLM HVKFGDYHVG DIEFVAADFV
DAEKVGIDLA DATEASQNT IKIADVPQTG INVLRGPTLD GLGDHYRATI DESTAEPVDV
VQALIDAKAD VLVSYLPVGS EEADKFYAQA AIDAGCAFN ALPVFIASDP EWAKKFTDAG
IPIVGDDIKS QIGATITHRV LARLFEERG RVDRTMQLNV GGNMDFKNML DRNRLESKKV
SKTQAVTSNI PDGPLSGKVE DRNVHIGPSD HVQWLDDRKW AYVRLEGTAFF GGVPLNLEYK

LEVWDS PNSA GIIIDAVRAA KIALDRGIGG PIMPASSYLM KSPPEQLPDD VACERLEAFI
IEA

> RXA00529 (1-543, translated) 181 residues
MKLKWIAPIL PVLALAGCGN YVNVESQGKS GISHDEGNI SVHMYICGDN AVDELILSGG
FYDGPPGTNN PALGMLKTSN PESGYVVVNI ADPAPWEVVE PINLPTEQGK YIIANPRLVD
KGWPIPFKE KYMPSVSTSV GMLEGIDPGL VMRD MYTEST HVFGTAEDFV EAGQQWCEDY

> RXA00530 (1-1281, translated) 427 residues
MSGFDRDLY IKMQSQHINE RREQIGGKLY LEMGGKLFDD MHASRVLPGF TPDNKIAMLT
ELKDELEILV AINAKDLERK KTRADLDISY EEDVLRLLIDV FRELGF LAEH VVLTQLEDDN
YQALAFKQRL ERLGLKVAVH RVIPGYPTDA RRIVSEEGFG INEYVETTRN LVVVTAPGPG
SGKLATCLSQ IYGDHQRGIK SGYAKFETFP IWNLPLEHPV NLAYEAATAD LDDINIIDPF
HLAAYDTKAT SYNRDVEVFP LLKTMLEMLS GSSPYKSPTD MGVNMGVSAI IDDAACQEA
RQEIVRRYFK ALVDERREEQ DDTISARIAI VMSKAGCTVE DRRVVARALD VEESTGAPGC
AIELNDGRLV TGKTSELLGC SAAMVLNALK ELAGIDRSVD LLSPESIEPI QSLKTQHLGS
RNPSPAH

> RXA00535 (1-717, translated) 239 residues
MWWAGMSTAM LAYFLQTV AL GFGTLLVVQP VLVLSLMFTL PLSARFNGYR LRRTEIFWAT
LLTVAVGIMI VLGRPLPGNP HPPLDRWIPV LLVGVA VMGG MWLLAEYVLK KDKALILGLV
TGALFGYVAV MSKAAVDLFV HQGITGLILN WEGYGLILTA LLGTIVQQYS FNAGELQKSL
PAMTIAEPIV AFSLG YLV LG EKQVVDWEW IAMGIAL LVM IVSTIALSRT STMPAGSKR

> RXA00540 (1-243, translated) 81 residues
VARVVVNVMVP KAEILDPQGG AVHRALGRIG VSGVSDVRQG KRFELEVDDS VTEADLKKIA
ETLLANTVIE DFDVVGVEVA K

> RXA00546 (1-690, translated) 230 residues
PVLGGIFQWI CGIITRFLYP VVDVIPFHTL PESGLYFIVT ALALAFFWVL VIRMMVELTG
NRVWDTVLVA ASPLVAVHAF TNWDTPAIAA VIGAMLAVKR GNPLVAGVLI GAGTAFKLPW
LYLLGAYLVL AVKNKNL KPF ITMAAAAVT WLNVNVPVMI AYPKAWNEFL RLNRERGAEW
TTIYQVIDRN LPINLNDPVL LNVLSFGLFG ASVCGHFD PW AQGAHSPSR

> RXA00547 (1-414, translated) 138 residues
VAILILGLKV QRTPRVAELA FLIVAAFLLF NKVWSPQYSL WLVPLAVLAF PQWKVLF PWM
VTDAMVWPIL MWHMLGTDNK GLPHEMLDLI VISRDAFIVV MISRCNPADA RTTCKSGDGC
ARRARIVGRA LRRKRSVE

> RXA00549 (1-396, translated) 132 residues
LTENGETPYE GIILGQYESR PLDMASAMAT IANEGVWHRP HFVSKVETVS GEVLYEFEDG
DGERRVSEKV ALNLLKAMGP IAAYSNGNAL ADGQVSASKT GTTQLGDTGA NKDAWMLGAA
PQLATAVWVG TA

> RXA00550 (1-321, translated) 107 residues
MYGSNSPATI WKQTM DNALE NSPLETWDIA PALGYGNPPV PEYVWTPSPN IATNDPEGAT
EEAPVEDPNA VIDTPAVDPT APAEETGNGQ VEILPGLTIP GDLLGIG

> RXA00552 (1-717, translated) 239 residues
FKWSEGAED FPKLSVKVRD EIVAFGAPDE LKVDENG VVG GGVHLKPQQV NELVEARGDE
VVFFDGRNAM EAQIGKFKDA VVPDVETTHD FIAEIESGKY DDLKDKPVVT YCTGGIRCEI
LSSLMINRGF KEVYQIDGGI VRYGEQFGNK GLWEGSLYVF DKRMHMEFGE DYKEVGHCIH
CDTPTNKFEH CLNEDDCREL VLMCPDCFAN VETRCHKRER CAAIAADFAE QGIDPLVTS

> RXA00553 (1-321, translated) 107 residues
MSIVKINAIS VPEGAGEELE KRFAARQNAV DSAPGFEGFQ LLRPVSGEDR YFVVTQWADE
DSYNAWRDAE KAKGGHGQGA HGSDKKPVAS GASLLEFEV LGSTGAK

> RXA00554 (1-471, translated) 157 residues
MNTQPEHPEN DLVDEADFSN RPRIYSDDPD SLADAPDPAL EHEKNKKSSR QALIYLLQVP

LVTFSVAYVL AWVSRLQGGP ICDAGEAVWI CSRAAELWWP ITTSVIAFGG MLGSAWILYD
KYRNYLRWRP WMGVWLILIP FSMLWGTSVL TLSILGH

> RXA00555 (1-891, translated) 297 residues
SGGKRSEQND AVFEFAAWLA RTSDINVRGI TTFIRPWSS SISKLGKGYH KWYKNLDSYY
RSRTIKGLKE AGVEKSQWDD DVSFVVDGPS ESTLLTHAAE EFEADLILLG SDATAPKGRF
LASSTADALL HSSPVPLGLV PRGVKLSKKG VTRVNYAFTN ESDDFEQGLR SSAELATNWN
VPLRILAFSP TGITSAPTSR SLDISTELSS EWRELTLAML DRARDGVLTG HPNLSVSSET
GSGWGWSGAI DALRWKKGDL LCMGSHRTDT LSRVFGVSET MEIIRNSPVP TIIYPGL

> RXA00560 (1-237, translated) 79 residues
MRIDPLETRQ AVLAVKDWIE GEGDVKKPGR AALAAATRLS VRLLAQHAPG NSVEVRVPPF
VAVQCIEGPK HTRGTTPNV

> RXA00563 (1-2739, translated) 913 residues
FYKDLYARSA RGTAALWIVA ANLSSYSID AIINWVGSEQ TTTVNGASKL VKPALVPTLL
FPFAAPRVSG SMADAGQAE SQMRLLLSV ERLIAGLAPL GSSINVGHL HVVIPGSPNR
GRFGGDGAYG ESKAALDAVV TRWNAEQAAW GAHTSLVHAH IGWVRGTGLM GGNDPLVAAA
EEAGVETYST QEIAEKLLSQ ATSTVREQAA SAPITVDFTG GLGESDLNLA EMARAEAAKA
ANAPVVEAPR TVAALPTPYR PVVQTTPDFA QVQTQNLDEM VVIVGAGELG PLGSARTFRD
AELNGSLSAA GVIELAWTMG LIHWDEDPKP GWYDDSDDAV AEEDIFDRYH DEVMARVGVR
KYNDMPEYGM IDNFAPELTT VYLDQDLTFN VGSREEALTY VDSEPELTFA SFDEAAGEWK
VTRKAGSAIR VPRRMAMTRF VGGQVPKDFD PAVWGI PADM VDNLDTVALW NIVCTVDAFL
SAGFTPAELL ASVHPARVSS TQGTGMGME SLRGIYVDRI LAEPRANDVL QEALPNVAAA
HVMQSYVGGY GQMIHPVAAAC ATAASVEEA LDKIRIGKSD FVVAGGFDAL SVEGITGFGD
MAATADSAEM EGKGIEHREF SRANDRRRG FIESEGGTV LLARGSLAAD LGLPVLGVIG
FAESFADGAH TSIPAPGLGA LGAARDGVES RLAVALRSVG VSADEISIIS KHDSTNAND
PNESDLHERI ASAIGRADGN PMYVISQKSL TGHAKGGAAA FQMIGLTQVL RSLVLPANRA
LDCVDPVLSK HSHLVWLKRP LDLRAKAPKA GLVTSLGFGH VSALVAIVHP DAFYEAVRVA
RGAEAADVWR ASAIAREEAG LRTIVAGMHG GVLYERPVER NLGVHGDAK EVEAAVLLDS
RARLVDGVLR AEG

> RXA00564 (1-405, translated) 135 residues
MKYNVDVSRE SEDWLATVTN LEGVSTWATT FANLDRNGRE AIALAEDLPE GAESSLTISW
SVPTDSHPDL DTAIQIAQQR RYLVQAQQLD EPKVRSAISA LTQAALLGMT AGRVSPHNP
GSRAISLDQV SGVLN

> RXA00573 (1-651, translated) 217 residues
MLVRPCGEQA VIIDLLAEDA EAVQGSILDA VLALNRSVLG MQVPGIIDI PAQTLTLLTF
DTKQITPNRF AEIVDSIALT PAAKGAAELT DTIEIPVVDY GPDLETVAQH TGLSVEEVIA
THSGTVWTAA FGGFAPGFY LIPQTPWDI PRLESPTKI PAGSVAVAGE FSAVYPQQSP
GGWQLLGTE IPMWDVDRWQ PSLKPGDSV RFVQVKK

> RXA00574 (1-879, translated) 293 residues
MSFKVISTGP QAIFQDRGRF GFASAGVGTS GSFDRLSAAR ANHALGNDPN ATVVEILLGG
FEVEALHTTS IVFTGTEAEV MVRTAGGQSK NATNTIIVD AAGERIRVEP ATYGMRAYFA
ARGGFAVKKL LGSASTDLIS HMGPCPIEPG DVIDVATDIA DSQWWPKLRQ LPTLWKRMPT
ETLTVIRGPR DKWFTQESLN NFFTQVFTVS NDSNRIGLRM HSSEPIQHRV EGELKSEGMV
RGSIQIPPGG NPVVFGPDHP VTGGYPVIAV LTRSCDRSA QLLPGDKVRF KLL

> RXA00576 (1-672, translated) 224 residues
MLTSLFITGT EPGKWFTFR DRTHHGGLT LDSDDALGLM LAGQAQLALT RLPDARIDAS
LHVVTLYQEQ PGVAFPKDFF LSAEEGAVDL ADLDGEIINW SMPDSGEVDA AAVRDALQIV
AANVGVIAP RPLLKVLKSK LVEHRDIKGG TETSIALVWK KDEDSEEIQD FVGIARGRTR
NSSRQQTAKL SAREKTLAKQ ARRQGEKPKT PKRPQARKRP GKRR

> RXA00577 (1-348, translated) 116 residues
MKPQTAACKL GLFLPATPEE FQTGALTHQE FKNLQENPPE WLQTLRREGP HPRPVVAQKL
GITIAALKKN DMDKPLTTAE IKALLENQPE WLRTARTQLA EGRETAKKET EETED

> RXA00578 (1-723, translated) 241 residues

MTYLVWDGAT LVEGALESTP TVVDSYLAKD HRVVRWDLHE QRFATSVDVD PWDFLHAVRE
AIPRQGSWFP KVEWHGDDLF AVNIRPAPTL RKATSLWLSE DDPRTQPTI KGPDLVLVAH
LRSRANDNGC DDALLISADG FILEAANATV VFWADPQTVI VPRGDVLPSV TLAATIPLWE
KAGITLRYQN IRHIGFPAWC GSSLHGWTVP VSWGRGLGKI AAKAPSVKP WNEKLRPTIF
L

> RXA00582 (1-519, translated) 173 residues
MSDYIVAFES AYGSTKQYAE SLAQRLGVDA LNFEQACAEL AANPTAAIVV LSFVHGSPHP
GAKFITDIDL SGHRVALCTV GMTLDDVVQK KDGAARSLGN KADDVTRFYL PGRLNYSLS
TAHRTTMWTI VNMLKAKPLK NDNDKMMINT FDTDVDVRVDE SRLDAVEEWA RGL

> RXA00585 (1-318, translated) 106 residues
VIDLSPVFNT AAGVYNDTNA IILAQQQGG PLGPEFGKAS PVGLLLIVAM LVAILVLGWA
FHRRWSRMNR RRIFAERNGL DPFIEGVRK AMAEAGLNEK SKKGFL

> RXA00586 (1-882, translated) 294 residues
MKHVSGLRLM AIHAHPDES SKGAATMARY AEGNQVMVV TCTGGERGDI LNPAMDKPGI
LDNIFAVRQE EMAKAMEILG TEHRWLGYED SGLPQGDPLP PLPEGCFAL DSDKVTQDLV
KILREFRPHV IITYDENGGY PHPDHLKVHE VSMLAWEKSG DAAYAPELGA PWEPLKLYYT
HGFIRQMEM FHDLLIEQK POPYTPMLER WKANEADVMA RVTTQVPCER FFDQRDDALR
AHATQIDPAG AFFGTPVEVQ RRLWPTEEFE LAKTRVKTSI PEDDLFAGIT PDAE

> RXA00587 (1-483, translated) 161 residues
MSTNSNSPSN ASGASNPNT QRPASRYNSP RPEAAAGRNI SGKIIAVIGV LLVIAIVIG
ANFLKNRDAQ TVSGQMGSE RIDDDTFRFE VDVTRDDPSQ VAYCIVTAKD YSHAEVGRRE
VLVEPSDHST VRISTLIPTER EPAVSGGVY CTVIPSHMN L

> RXA00589 (1-363, translated) 121 residues
MTTSLRKFFV SATTALAABA LVACSPNEID SELKVPTATG VSLPSKNVSA TSTATTEDEA
PGYIDCVAAP TQPAEISLN CAMDIDRLTD ISWSEWDTDS ATGTGTRIVT AANGQETETE
D

> RXA00595 (1-330, translated) 110 residues
RNIAAWIAIA AIIIASLGLAL LSMIRVWREV FWGGAMHQRG VSPQLRISPA KIAPALSLII
LSVGMFIFAG PLIDATLTAT DGLLNTDAYQ QAVLGENAIG VPSPSYQGGN

> RXA00597 (1-270, translated) 90 residues
MTAFGIVTTV GICMFAFSL SALVILIRTK DFLTRVVLSD MVFYSMIAIY LIWVLNNPTS
IAFEIALLA VLGGLVPTLS MARIISKGR

> RXA00598 (1-318, translated) 106 residues
MTIPEIIVSI LVILAGLFSL GTAIALWRAP DPLTRANLLG TTVGVSIPLL IIALLIHTWS
VDGFNPNNFI RAIIAIGVW VIGSVGSYYM GRAIYGVTV DNRRSK

> RXA00601 (1-291, translated) 97 residues
MRFKSVAAIA LSTAMIRGGT ASVANAQVS PSSTIEIPQE FVHTVQNFVP GMTYGDAGSA
IQSTAGSVAL NSTAGIILPI VLPFLGLGAV GSAALSA

> RXA00602 (1-753, translated) 251 residues
VQKTQEIHS LEVSPSKAAL EPDDKGYRRY EIAQGLKTSI AAGLGMYPG IAFGLLVIQY
GYEWAAAPLF SGLIFAGSTE MLVIALVVG APLGAIALTT LLVNFRHVY AFSFPLHVVK
NPIARFYSVF ALIDEAYAVT AARPAGWSAW RLISMQIAFH SYWVFGGLTG VAIAELIPFE
IKGLEFALCS LFTLTLDSC RTKKQIPSL LAGLSFTIAL VVIPGQALFA ALLIFLGLLT
IRYFFLGKAA K

> RXA00604 (1-291, translated) 97 residues
MRMKSIAAIA IATAALAGGT GVASAQEAGS TAGSSNLSSG IQLPQEATDL LSFLPAAQAA
QVEGAIQSTA GFFAVGLGST AIGSTAVTLG IADLLS

> RXA00610 (1-864, translated) 288 residues
MEPKKPVYK ELAHEYSRRT FNKLFTKITG FVYLKNDLIN DPNLVTQALL KRCPEGVLRG

YAALKQRGYQ LLDDQWMPPI SVSGDLNRRD CSRGEILRRI EPENTLLSGN IRFVNDVQAI
QDVFDLHSLN DFEDQVALID HLIRQRPELF QELIQEPKPK KHTQYANPFA ESPQESRLRV
RLHSLGYHGF IPQIHVEYDG QSYFLDLADP LWQVALEYNG GWHYTSEQRE KDSHRKNALK
SAGWDVLEVT SKTLQNPNSW NNLIQQINSS LRRKQAQRRR RLPMQTVG

> RXA00611 (1-1476, translated) 492 residues
MSAAASRSRN ILTALLLLVP LIAGTIYASA MGLDVSRWS SADEVGTGAPA ASVATNNQEL
IEARRAAGEA GAQAGFLTSG TEELTSGTQE LIDGAAPLEE GVSAAADGAA QLHDGLIQLQ
AGTGQMGTA TEIADGVQNA VEQLGGLVVV QQQLLGALNE ADKQLASSKI PEAEDLRKQI
TEVRGHLENF GISVEMTDQL DQLRSGTRDL ANQLAVPGYG FHDGIYSATN GAAELSAGLQ
ELEAGVGTAV EGFTALDEGA NRLDSMATLN EEKTSAVQRA LPVPQVPAGT IEGTADEERT
SALAPMYAFL ISALVMLAGA ALGWATLKNK WLMAFAVIGV TAIGGIILFT VALGISIGAL
FGALGILLLA TVVAGILSRI LLDVLGTTGA IVVSVLGWVA QAAVIGHVWS VTAVSDIALV
WRVVAGMMPL HYPTFAVTSI GNGGSAAAIW MSVAVLLAMG AIGAVALKRP KAVAVEVEEA
VDADADQAAS ES

> RXA00613 (1-453, translated) 151 residues
MSELKDKIRA DLTAMKARD KDTTGTLMRL LSALTQEETS GTKHELNDEE VLKVIAREIK
KRRESAEVYT ENGRQELADV ELKEAAILEG YQPEQLDDDQ LNALIDEAIA EVGGEADMKK
MGQIMKAATA KAAGRADGKR LSTAVKSRLS N

> RXA00614 (1-915, translated) 305 residues
VNVKSTIAKT LTFSSAALLG AGIATAAWGY SELKKFELKT VELPILKPGT LRGKKEFRLL
HISDLHMIPG QETKKAWVSA LDSLSPDLVI NTGDNLSDEK AVPDVLRALG PLMNRPGAFV
FGTNDYWAPR PVNPFYGLFG KKREVSHIDL PWRAMRAAFI EHWQDANQK RLEFQVGSVR
LAISGVDDPH HDLDDYTEIA GAPNVADALS IALLHAPEPR VLAQFEADGY QLSLSGHTHG
GQLCLPGSKP IVTNCGIDRK RATGLNKFGE MWMHVSNGLG TSKFVPPFRIF CRPSATLIKI
TEQAL

> RXA00616 (1-345, translated) 115 residues
MKSLPRFAPL ITILALLVLV AIGGSALANN RATPNVESEP ATVNQRSTPT TSAYEPPATE
SPEEPTTQIQ ESPVQPPVPA PAQIPQAPQV PLNYQYYDDD WDDDDDDFDD DWDDD

> RXA00617 (1-1083, translated) 361 residues
MTAVVFLTLA SVVIITRSVL LSEVTNTANS AVEQEIEEFR RFAAEGIDPT TAQPFESGHR
LMEVYLSRQI PDENEIVGI FPGELIQVDY SQLSGAHPLP LEHSDPLISE IRQTTLNSGV
FSDLERGTTH WGVNFQFAS GEADGEFVVA FFADNLKDQV NGQIQILILI GTGGLIASIL
IAWLIAGQII APIRKLSSVS AKISNSDLTW RVPVEGRDEI AQLARTFNAM LDRIEIAVND
QRQFVDDAGH ELRTPITVVR GOLELLATTP PEEQARSIEL ATTELD RMSR MVNDLLTLAV
ADSGTFIHAH PTDVTDLTID IEDKARTISD RILLVDAAEG LVSLDEQRTV EAVLELFNGA
L

> RXA00628 (1-408, translated) 136 residues
MASVFTKIIN GELPGRFVYR SENVVAFLSI EPLTYGHTLV VPVAEVDRTW DLPQNIWSEV
NEASQLIGNA IRTAFDAPRC GYIIAGFDVP HTHIHLFPTD KMADYDFRNA MAADATDPAK
MDEAAEKIRE ALDGLV

> RXA00631 (1-1455, translated) 485 residues
MENPYVAALD DENQEVGVKK EAEKEPEIGP IRAAGRAIPL RTRIILIVVG IAGLGLLVNA
IAVSSLMREV SYTRMDQELE TSMGTWAHNV ELNFEDGVRQ GPPSDYYVAK VFPDGSSIIF
NDAQSAPDLA ETTIGTGPH TDAASGSASN TPWRVMAEKN GDIIITVVGKS MGRETNLLYR
LVMVQMIIGA LILVAILITS LFLVRRSLRP LREVEETATR IAGGDLDRRV PQWPMTTEVG
QLSNALNIML EQLQASILTA QQKEAQMRRF VGDASHELRT PLTSVKGFTL LYSSGATDDA
NWVMSKIGGE AQRMVSLVED LLSLTRAEGQ QMEKHRVDVL ELALAVRGSM RAAWPDRTVN
VSNKAESIPV VKGDPTRLHQ VLTNLVANGQ NHGGPDAEVS IEINTDGQNV RILVADNGVG
MSEEDAQHIF ERFYRADSSR SRASGSGGLG LAITKSLVEG HGGTVTVDSV QGEGTVFTIT
LPAVS

> RXA00637 (1-753, translated) 251 residues
MTDRITIGEEA ELLGVTTRTL RHWDSIGLLQ PSWRTTDDYR LYTEDDVERA LQILIYRAAG
IGLKDIAEVL DQPD SANQHL RRQRELLVEQ IGQLHRMVRA VDEILGKDAI SVKEKIEIFG

EDLPKYQEEA FQRWGDTPPEW KESQKIQEKM TKEDFQRAKD EHEGFVEKLI DASLRGIAPG
SAEGNELALA HRASIGQWYT VSANKQVILA RMYVEDERFN ETYKGHASYL LTLIEALAQV
EGVDLENVIEW E

> RXA00646 (1-441, translated) 147 residues
MQRARREVG LTVLDRLPE QPKKRGRIPF TRADLDNDAE LAEFETLEAI AAGDTLITGA
VFTGTLEGVA WEVQVDVLVR NPDGSYPVPM VSNHRVARPD PHKTMQGIAPV TRGLGLQPLE
LKATLRHHTI DGYRLTLALM GLEEAGA

> RXA00647 (1-633, translated) 211 residues
MGIFEAIRAA RAKTKAEIKA AEAKVKTEAK NKAALDLKRE KLLVQKEKNL LKVEEKGLKK
RNKHELMKMAK NILEQKRQGR LNKDKVKRWA GTARVLTPLL LPPIYRLSTE ARDQVVKGRA
RRAGVTAEQL SQFAGHAAAL KARIQGVRET AKNSSLPAGF VRDVEERLNE LEAAANNSEF
MSPQQRNRAH QSISRDLNQV SDQIQDRLLD K

> RXA00649 (1-456, translated) 152 residues
MSTDPIAALE YESTIFARHR NQYTGQAGTN AGVLDSSGYN LLTLLQLRGP STIGELSAIT
GLDASTLNRQ TKALLTKGFV ERIPDPGGI ARKFHPTDLG NELLNEERTS SQEKYAEELS
DWPEEDLRTF VKLLEKLNKA VETRVGKHWP RP

> RXA00652 (1-549, translated) 183 residues
MRRTLPTILA ASIMLTACTP AEPEATPETT TEAAPEVITD GLPIDAMPAV ERTAQTACPY
LGTDWVADTN GQRVTGYGTD ERFSTPSCVF YSYPEEPQLT VIVRDMATTD DAIIVVDWAA
PIDSTPEAEE PAGWSSGRRG GNDTSGALYA VQNGPTAVIV FTNQDQSLKA QLIAEEVIQN
LGL

> RXA00653 (1-765, translated) 255 residues
VSVSQVVGEEI LLTVGILALL FAYYEAYWTN VESGKLQESA GQKLDEEDWNE ARVNPRQKLT
PELGEAFARM YVPAFGSDFN FAVIEGTDEE DLLAGPGRYV DSQMPGEAGN FAVAGHRVGK
GAPFNDLGNL EVCDIAIVVET YNSWDVYRVM PMSTNGADRA AEAADCFNEN QVSRMAEGDY
VNVSGRSITT PDRIDATYPT PGVFDTAVRE GSEALLTLTT CHPQFSNAER MIVHAMLVEE
IDKSSGERPA ALEEN

> RXA00654 (1-1266, translated) 422 residues
VLDILIYPVS GVMKLWHLLEL HNVAGLDDSL AWWFSLFGLV ITIRAIAPF TWQMYKSGRT
AAHIRPHRAA LREEYKGYD EASIRELQKR QNDLNKEYGI NPLAGCVPGL IQIPIVLGLY
WALLRMARPE GGLENPVFQS IGFLTPEEVE SFLAGRVSNV PLPAYVSMPT EQLKYLSTTQ
AEVLSFVLPL FITAAILTAI NMAMSMYRSF QTNDYASGFS NGMLKFMIVM SILAPIFPLS
LGLTGPFPTA IALYWVSNNL WTLQLTIIMM VILERKYPLT DDFKVHHLEQ RDIYRAKQKE
KRIFLWTRRK NRALMILTPW NASTLHATNV ELTKTRTAEI NEAKQARKEI ANKRRETQRE
MNRAAMQRLK QRRAEVKAKK KGLIDASPNE DTPSENEETK LSSPQVEPTT TAEPNREPSQ
ED

> RXA00656 (1-261, translated) 87 residues
MLALGWITWI IIGGLAGWIA SKIKGTDAQQ GILLNIVVGI IGGLLGWLL GIFGVDVAGG
GLIFSFITCL IGAVILLTIV QFFTRKK

> RXA00657 (1-903, translated) 301 residues
MSTEDIVVVA VDGSDASKQA VRWAANTANK RGIPLRLASS YTMPQFLYAE GMVPPQELFD
DLQAEALEKI NEARDIAHEV APEIKIGHTI AEGSPIDMLL EMSPDATMIV MGSRLGLGGLS
GMVMGVSVGA VVSHAKCPVV VVREDSAVNE DSKYGPVVVG VDGSEVSQQA TEYAFAEAEA
RGAELVAVHT WMDMQVQASL AGLAAQQQW DEVERQQTDM LIERLAPLVE KYPSTVTKKI
ITRDRPVRL AEASENAQLL VVGSHGRGGF KGMLLGSTSR ALLQSAPCPM MVVRPPEKIK
K

> RXA00661 (1-690, translated) 230 residues
MNPITELLDA TLWIGGVPII WREIIGNVFG LFSAWAGMRR IVWAWPIGII GNALLFTVFM
GGFLHTPQNL DLYGQAGRQI MFIIIVSGYGW YQWSAAKRRA LTPENAVAVV PRWASTKERA
GIVIAAVVGT LSAFATFQAL GSWGPWADAW IFVGSILATY GMARGWTEFW LIWIAVDIVG
VPLLLTAGYY PSAVLYLVYG AFVSWGFVVW LRVQKADKAR ALEAQESVTV

> RXA00662 (1-1269, translated) 423 residues
VSTIPLNRLA VIAAIIIGVGT GLFVAALNWS AIGVERLVYG ADHLHNYNPV ANVSPLRLSI
TVIVLSVVAS WAWFFVHRTG PKEVSIVGAI RGEKMPILET IASAFLQVTT VAAGAPVGAE
NAPRIAGALV GERFSRWLQL DIDAKRILVA SAAGAGLGAS FHLPLAGVLF ALEVLLVEAS
TRTVVIAIIT TTAAVATTGF FVQTPDVST VPLTESPWML LAAMVTGVVA GCMGHWFSAA
AHKMAQASPK GVKILWQMPL GFVVIAAVIY FFPETLANPR WLADSM LGDG LILSTILLVL
VLRTAMFLLA FRVGMVGGNL IPAFALGSMV GGVVGAVLEP ITNVPIAFA LLGAAAFST
TMAAPLFGLI AAEFTDMEA QGYLPIFLAV ASAVLAVRVW SVIAKHELRA IPITYASWTG
ELK

> RXA00666 (1-387, translated) 129 residues
MTAGEAIAHS VRAAQIAEEH NYARFWVAEH HNSEGLASSA TTLLMGHIAG HTSRIRVGSG
GIMMPNHSAL HVAEELGTLE AIYPGRIEAG LGRAPGTDPM TARELGRASS LVDDVLSTIV
SLQNYLDTF

> RXA00667 (1-585, translated) 195 residues
MIALKSMSNR VVQKPKMKAP LPIRDGLNPS RVRLPLDAAP IRAIDFVEYL ISTQRHRNPA
DNAEALQARF DADLVVNHYG EPYAPDTMVQ PDDDIWFYRM PAAERPIPYK IHVIHEDDDI
LVIDKPPYLA TMPGRHITE TALVKMRVLT GNNDLTPAHR LDRLTSGVLV MVKKPELRGA
YQTLFARREA SKTYE

> RXA00668 (1-792, translated) 264 residues
MLTTLWIAVL VFTVPGLVVS WVSGLKVPWA IAASIPATFG IYGLSAWLLG LWEMRFDLHS
VVISTLVFAA VALVWRLFFV GGWLVRRRKA RIRRQTLADE ERAENAEVSA GEPAESSTNE
AAESESETSE RRGIVRWIFD YMRDGGILDH RWLLPAAGAI TGAWLIIDRA VDLLLSTEHG
LGDIVQGWV HWHASTVRFI DETGIASSTM MGQLRNIETQ QDLFYPSAWH AGAWVLSVDG
NLTIVEATNL TGIVLSGLLL PLAV

> RXA00674 (1-750, translated) 250 residues
IFAAALAFMG MFQLHPAPST IVIMVLLLWW LLKLVVVPSQ KVKGWKAGIG IRLKDVGILA
ITGIIGVLFM LPQVISGSEQ TEDVLSYSAE EQVTRSESWL VSIFMETRHV DFFGNIDIVP
VLVFAAIGGV VALVWRGNLW APVFYFASVA LTANSLKPF EPGWDWLNIW GGLHYSTGHR
LIMPVAMFTF AAAGIGAAV IRLICLGPIC KFTTVSGVVS VVMALVVAVP LQTWAKDFVE
EGSETTILAP

> RXA00676 (1-747, translated) 249 residues
MAKNSRIYRS ASIKRAAAAI LTAAATSVAL IAVPATASQ DLATGSSQIQ TDAREGAWAT
RNTIQDQLAS IGPAALPVRA AVDNAINGMF PGLVDEKVAA EQEAARAEAE REAAAAREAE
AARVAAEEAA RFDRGSCPAI ADVCV DIDGG RTWLQENGQV TYGAVPVSSG GVGQETPRGT
FYINRKVKDE ISYEFGNAPM PYAMYFTYNG HAFHQGNVAT TSAGCVRLNT QDAIYYFNNV
GIGDMVYIY

> RXA00678 (1-735, translated) 245 residues
MTRSNLPAWE QADPSVHASD PRAITFAEDF GIRPIPAVGP IDTTAICATP SNGFEQLWKA
IEPETRTRAN DIHLPIVVAY AERLC DAYPL ADRELVLVAA ILHDTGWAHV DESRIISEGF
SGNWRKAAIR FEHETEGCTV ARRVLPSLGY TVDFVEHVCD IIDGHDTRQV AYSLEDALVR
DCDRLWRFRD AGITASSSWF GMPVSDYVDR LHREILPELI TEAAHQMATA DLNRAKALLR
TDAIR

> RXA00691 (1-930, translated) 310 residues
MVEGNTIGCA DAGGNGYQTL LDAGFDVETT VQFPEFLCRI NDFPGPDVDD CMTASPAEAY
WSYWHAPLGG DEWEYSNLGA FLYYPKPGTV EAWYWGDTDR PGAIPVSKSQ AELGLDSADP
DYKIDFDPND FITTTPTSES PIADLGGDEE PTETTEAPIA GAGAGSARGQ AAEPTEVNPN
ENPNEVLVYQ DSEGNISITKG QYENLVAAAA AKTTAAVQAP AGAGEANSQP QATAVAEAP E
VDPMTTQVLM APAGQDGDVM AEGSTQQTYA TGTVDSSAQG WIIGLTLAVI SLVSASAVAA
WAIRRSEVQG

> RXA00692 (1-1134, translated) 378 residues
VALATGVSLI APQVVAQDA SSDIQLATQF IEKEFATNGL IPGPVGTPDI GLNQDLLLSL
NALAPDSPEI DAAYAAIAPE LEGYVSVDY IFSRLAKTV AFQDALGVRD ADFIAQLVSA
VQENGQIKNL DNGEATTAIN NFSQAWGVLA LHRVGETEAA ERATEFLKTQ VCSDDGGVQLA

SAIEPTCKTT DSDVTAMAAQ ALTLANGAQD PTTQATLDYL VTTMDETGGV KNTWTGVNSN
STGIVGSAFA LAGDEENYLK AREYLASVQF GEDADPSIQG GFAFTVKAKE TANTAISDQIR
RATGQAALGF AGGNYANDKL ITIANPVDPT PDPEIPTPPA DSEGSTGGIG GAGIIIAILA
ILAAIAGVMG PMMANLQF

> RXA00693 (1-483, translated) 161 residues
MWKEALEEFG SGPIHSGYF ENYLPIDYSE AGFHHLKER TDAADPSVPP PEGFVHCSYF
WIVDDDDVLV GFLALRHELN QHLLLEVAGHI GYGVVRPSARR KGAATAALKL-GVHEAQALGI
DKVLLCVAGD NEASRNVIK CGGVYESTIR GMRRYWIATD S

> RXA00701 (1-375, translated) 125 residues
LVGEPRSDSC GEQRGCEQSG VAEDESEAGS EGSSAEDEDK EDCFKACCAG TEWSYGNHG
GEDAEHGYGF NVESVFTDFG DDSGQHEGND DRDVEGRLGF VGQEGFRVDD QRPEENHDAQ
NRKEA

> RXA00704 (1-513, translated) 171 residues
LTITFSRVAL TTLAVTATTL SLSTAANAQS SLLDKTLAR QCIDADNVVW SVDYGADSEK
EPEGACATEF TDGVVALESA GFKLTFDESE MGKYMGTING VVPDWVETGT YWSYYSGEVA
DDYSVDYTTY EVGASNSEPE GGTVEAWVVG TGEETPALET LSETSAATGS S

> RXA00707 (1-972, translated) 324 residues
MNVQRKLLAI VGAFMAGSLA LGTPTAQAQS IGSSASQRTS VLRGLTSSAG IPDATAPEGG
AKVVVFQDSH ASGTNAPFDV DERGCLKGNQ SWPDQLQAQQ GLQQGELIDL SCNGASINST
GFHFSDEVVRH AEALGAIGPN TENIFIQFGK NDQWGHSPIN LRYSVINCLF DAANGCGEKA
VAAGTMQDPS SVTGENYAQR MKPVIDYLKY YAPNAQITLL GYQEYTPRSQ SEICVRVGGT
ELRKPDATNL VSYMNNLESA IFEASEILDV QHANLREATA GHSSCSAEPW VNGVLDMRVN
AVGGTWHFSP KGDEVTAGLL GTLM

> RXA00712 (1-549, translated) 183 residues
AAEPTTRTTV QSATEASTTA PVQCNLDPRT SDFGPYLAQS RTPVGELAGS ADSVVQVPDW
FYHFQMGDNG YDSCSKLSYV VLNGSNGDAE RSTGTGAAIA DVVVLFDIGH MVARPAPFEM
KTVESVTRVS DSEIQVYVGH AGRSTAEGVT DYFTFNFFVD NGVLSGRGDL PEHIDTHMRL
YLL

> RXA00713 (1-963, translated) 321 residues
MTKVAELDQE WSEVDDAELD AQSAGTSDSS STDDFADAEN TSENLGPIGP EPLPEPDGDV
PASGFQVQLD NFEGPFDLLL QLITKKKLDV TEVALAQVTD EPIAYTRKLG ETSDLDETTE
FLVVAATLLD LKTARLLPRG EVDDDDLEL LEIKDLLFAR LLQYRAYKQV AEMFAQWQD
ARRRYPRVS LETQFANLLP PVSLGHSLKS FSELAADVFR PKPPETVKTD HVHQAQVSV
EQAGRILNTL KLAGIDHYLS FQLLTRDCTA SMEVIGRFLA LLELYKARAI ETLQEEPLGE
LKVSWTGIDV DPAVVAASDW E

> RXA00714 (1-561, translated) 187 residues
MATITRTDRL ILVPLTVELE DEAHQIYSDS RIWEHRPQAR HTNVRVTRDI IKRTNESWGK
KDLGPWGVYL RDRPSEFVG GVELIDGKV WDLKYRLRPD LWNGYATEI SNAATLATKR
IDDSLPLTAR VTTNHPASFR ILEKLGLTPV WEGRRVGTED DPNEPDVRIY SDRPLSDEIL
EMLKQRP

> RXA00716 (1-513, translated) 171 residues
MESILLVVDV PVSARTLAGV LGIDVPATEA ILKEMAFELS ERGSGIDLRE TAEGWRYYTR
PENADIVEQF LLDGNQTRL RAALET LAVV AYRQPVTRSQ ISAVRGVNVD GVMRTLQLRG
LVKEVDVDES TGAHRYGTTE LLELLGIDS LDKLPDLAPL LPDVDSIDED F

> RXA00719 (1-1629, translated) 543 residues
VTDKHTMPGE EDDTVFVYHT HKGEMDVEGA FADEEELAPH GGWASADFDP AEFGYEDSD
DFDAEDFDET EFSNPDFGED YSDEDWEEIE TAFGFDPSHL EEALCTVAIV GRPNVGKSTL
VNRFIGRREA VVEDFPGVTR DRISYISDWG GHREWWQDTG GWDPNVKGIH ASIAQQAQVA
MSTADVIVFV VDTKVGITET DSVMAAKLLR SEVPVILVAN KFDSDSQWAD MAEFYSLGLG
DPYPVSAQHG RGGADVLDKV LELFPEEPRS KSIVEGPRRV ALVGKPNVGK SLLNKFAGE
TRSVVDNVAG TTVDPVDSLQ QLDQKLWKFV DTAGLRKKVK TASGHEYYAS LRTHGAIDAA
ELCVLLIDSS EPITEQDQRV LAMITDAGKA LVIAFNKWDL MDEDRRIDLD RELDLQLAHV

PWAKRINISA KTGRALQRL E PAMLEALDNW DRRISTGQLN TWLREAIAAN PPPMRGGRLP
RVLFATQAST QPPVIVLFTT GFLEAGYRRY LERKFRERFG FEGTPVRIAV RVRERRRGKG
NKQ

> RXA00720 (1-666, translated) 222 residues
MASPRRPQVA APRIKELRLT GLDNADPQDI ESNEQIESCR FNEAELSERD LSGAGFIECE
FLGLEAHETE LRR AQFVETR IERANAPSFK AARSIWRNAT ISDSRFGAVE MYEATVQALK
ISDSKLSFVN LRGASLRDVL FENGVIDELD LGQARAERIA FKDCTVHSLT FDHAVLSNVD
LRGLDIERIS GVESMSGTVI SSLQAADLSG AFARHLGITV ND

> RXA00722 (1-504, translated) 168 residues
LLPNGLLTKR ELVSIERSSH AFEQSVVILP TATLVAGLAA VSVHEPAQPL AVDSYAMAEA
AGSMRTATIR AATSAALTQA GACSKGDLIS FIGPEIALVS EELNDALSRT ALRLLDGSSE
QITLLIAQDR QSAFDEDEVF RGLGTHTDVE ITVYPATGME NLVEIGVE

> RXA00724 (1-648, translated) 216 residues
IGEEVLAGRQ AYVVCPRIEG EGGVLEIHAY LSEQVYPGLN VGMLHGRMDT DLKDSVMQEF
AQGEIDILVA TTVIEVGIDV ANATVMLIRE AERFGVSQIH QLRGRVGRGQ HDSLCLLHTT
FDEDSPOGQR LAAISTTTDG FQLSELDLQV RQEGDVLGTR QSGSDTKLRH LSFISDQKII
ERALIDATEL VAASRSRALE LVSDIAMINQ EYLEKS

> RXA00726 (1-141, translated) 47 residues
HEMGFAHEVA DQVVFMAAGV VVEAGTPEQV LDNPKEQRTK DFLSSLL

> RXA00729 (1-642, translated) 214 residues
TVVEDYQEF T RGLFLGMVAV SILVPLGMMD MRDAKKRLAI VIPLFIICAM LGFFGTSFTS
APRTDPSLIF VFICAAIADC ALVLPVGSVS FFLAVGMYA PIMESLSNRD LSVIGVFLLG
ALTGVILFVK VLSYVLEHHR TITLTIMAGL MLGSLRALWP WQDGDANLLA PGDNAMMIFS
IIILGGAIVA ALMFAERVSS KNIDSETVAE EHPR

> RXA00730 (1-333, translated) 111 residues
HFVVVFQKQLQ QADPNAEYDL DVLAFFDIARV ANLLRWAAAT DILLPAEARW FQDQLGIAAA
VSFGSWEYEG ERYVRGLQKN FKGGNKPYIE GERWLNTEAE SPWKTQKWIS A

> RXA00731 (1-2472, translated) 824 residues
LLFGLRWLGR SLRFAPLSLL MIVVMRGLRE VFGAEDPANS SLVDNLGLTL PWSLNDPHFL
TAGFSASTTT AALMSTLWII VFAVPSERIL GSLKFAITAA LIHITSIPLG IGI AHLIEEA
DLNRWGNMML ADVLLTPDFW VFGVAFAASA SMPLLWRRRT RLFLFTITLT LLLYTGTLAD
VTMLTATIIG TVAGELNRHR KTPGGRWLP SLTVREARIM TAILVTAVAA GPVLAALNPL
THGPFSSATK LIWQPLVTEE HMHHLCHTDS TSDACQGALD QLQHG VGPS VANLIPLILT
VVLAMGLSRG RRLAWILAVL AQLISIAVLM FQLTKLSADS TDLLWSVNAF SVIVPWLVAL
AVLVFSRRAF QVKIDTTRIS KSLGALMVTW LATAALWILA TLFLPHAFHP HPTLGLAFKE
LPFRYLPPTI ETVLSHQLEP RSPAGWAVFE WTGTLFWLVV AATLYHLLMG VPSNKAHEDQ
ENAAATLLRSG SGDHL SWMTI WGGNTYWWAP ENAGYVAYRV KRGIAITLGE PILGPDSSVS
KAELAAQFEE FASNQGWIVA WYSVCEEFSK ERINAGHHTL RVAEEAVLSS ANADFKGKHF
QNVRTARNRA AKEGVSSIWT TWADLSAEMQ HKIITLSEEW VSDKALPEMG FTLTGVNELS
DPDTYLLLA I DEEEHLHGVT SWLPVYEKGR IVGYTLDMVR RDPQGFKSVI EFLISEAVVI
ARDHDLEWMS MSGAPLSTPP GVADDGTIGQ ILELLGRAME PFYGRSLAA SKNKFHPEHH
GWYLCYRDEL SLPSIGLAVA ACYLNEFPLP NWLKKTATSA PSHS

> RXA00738 (1-288, translated) 96 residues
LLNDATTQVS HILGNAFTRS GLNAEYANLY GQALVGMVSM TAQWWLDERT PPKEEVAHHI
VNLCWNGLTG MEADPKLTPI SSAEGAIFGQ EKESEA

> RXA00739 (1-816, translated) 272 residues
VTATVLEPQP VQLSEQDVDA EIARMELKHN RHKTWRRRTM AVVMTLLISV GLSFGAFGNK
EREANAFASA IIAQVVGAMG EVAFEAICPS DGDTEMLLKC ITENLGEMHI IEKCLEAEDV
LKCFYDAKNE EQRKEQNLDK APDYSMYRMA SAMASFYGNG RAATAGVEEG GPNEFLDSED
AGLKVWEGIL SKAANGGNVL GYADAKHNED SGWFFGNGVA NNEKTYSYDS LADHAFQGPY
HFALFGATLS GLGFDSSKAE DSQTDFAQRK GM

> RXA00740 (1-579, translated) 193 residues
 MLKNKTLALL AVSTLMFGLS ACSSDADGPD SSGASSSTG SSSASADTTD SAAVDKDAQL
 DTFMRSVAVD GSSAAVAVDN AVGKGFADKAD AQAAAERLGD GFQFAADYQA VGYLESWYFG
 GARSEKLDEV RSDVIAHLSE LGFTDLEAES SASRITLGDY CDGVPEYCEL FFDGESPDLY
 DMGTELDYSK PTE

> RXA00741 (1-933, translated) 311 residues
 MTDSLLVSIR KGLIEERPLT ELLRACIFLG SDTNSDSLQE WAKNELNGYG SIDGIPEYRK
 LKGPPVFAKI QAGNSIMSNM VLGPHNVPER ARKYFPEELH FDQPIQTLIE WSTRQDGINL
 SPPNLLVRVD LHNDQYAPLN QILNLNVYLD NSYFSGIVDR IRTLMTSMIA DLTHATPLDE
 LPSSEKVNAT VMKHIENNYE TTITQANGAV AIGNSAKAVQ KGLSVDDLK IMQTINPEKF
 DLGEARAEAE ESIQSIADL KESPNGKFI QNAFEKLKEL SIKAGDKAFT TMLNLVGKQI
 IENIPQLVSG G

> RXA00742 (1-1650, translated) 550 residues
 VNVQIKGRKV NAKAADLNSY PVSVDLRGF VTLAGLLFFV VDIKKSNNK YPKYVLLKPF
 YIHDLLSKAK PGQKTISVRL KRLPSDEDRM EAIIALALAS RQEKIVENPS NYLYENMESI
 TVKSAEPLNR DKLAVYDGSS PDHSIIIRTG DGIEQFVNAT VEIIPNMQF HQANYNVSCN
 GVVYDNLVHR NIDDEHIELK IGKGITLRLQ KLAIDAPGSV TVEFQDSLPE RLKDIEFFLG
 VLQANTFFIN EEPVVLKINS NRTVADLKDE AGVLRQLVEI ANHFNIDPSL IRIGEITEKQ
 FWQLDIVYRT AVKGEYVKNL EVKDETRLIL QPFGRWNLAL IAHPGDVAGE WTYHEVISKR
 HHFAMTPSTD RSDSSIERVT PYELIDNRWL PSVLNLHLDK LVDFYSALEE TVDVDNLATW
 MVLRLIKAAD SEQSRKTAFL IAAQALNDWL VERDREESPI YRLNGWQILY RQTGLLDSQR
 TEIRSFHNL DQTMHPDNYS EIMIGCALLL DDREEANFLL TQLSVDRRAV FNEWPIAQLM
 TGALEEIEK

> RXA00743 (1-423, translated) 141 residues
 VQHLVLADVK YRELSALSVK IEEPSDRPEF KLGVTVNDKS KDEEGVPRII EVSLRVSIEV
 PDGKITVEPE AIYLIPENKV YLTESDAMVD YFNNHAIFTL VPYARQAVSD LGQRAFHTQI
 LMPALGPGDL VFSKSTASRE W

> RXA00745 (1-534, translated) 178 residues
 VAYLYGSADG MLNTDGFNMF PRASYTILGP MDADAVGVYQ QLLNSTIPMD LARLVTTTHNS
 GASYLRRGAT NVVFETNLAL GVNPMKRRR ATEAQRGKKR FKRDSHYGGG TVTGTADLD
 VVAMQARAEH REERLGEKST RKKEELAAVE AKELAACKGP QTVEEGLAAV EKKHLAKR

> RXA00746 (1-1191, translated) 397 residues
 LVHTDRVSIH RAKNGVRRTR KHIKTICIKH PIGRSVQISH SPTALSDAEN NAELTTAQIL
 HIDPVTGVAI PRQNILLGED FQTMASFSQ IRHGWGITQL IGQDPNRNQP IRSADTWTVT
 GSTGLTGENT ATHNTDDTDA TAAYTMPASD PAVGLCALES NKDAPVDÉFR DLSLSÄLRTA
 TVMSSSGSAV ITMHPMVMS TTGALEARAY VDGEVINQHD LDSLRDQLGI TTDSADTTTPA
 LPADPLAALG LSTPTTSALV PGLAELDCLN TDQARTWHDR DNSIGTGKPA ILAVINAELA
 DDYTLQILKN STATPTDSTD SSDTAERFVA QLPAAETAFVL IDPDIGAVTD LFFINSINQD
 LPAPTQINS VAVDQRPNI IYATFANDDR VYQLMLG

> RXA00747 (1-588, translated) 196 residues
 MTFLHRSASF HPRTHDHLSE LGLDPYKLSQ DIPTVIYEVQ PHSVFILKFN TADVRVYQEH
 SDLFVRHAVL VDPEQRKHEH DQLLKEILD L DAPRVNDDIS GRITVFLHDK TVVTHSGGPI
 AIIPHNPDA SAAASANKHK QSVMTTSRHP YAQMSLSMML KQGFTLTPL FPYCAVDDPD
 SSRHTMHVIN VRDHTV

> RXA00748 (1-444, translated) 148 residues
 MTYFALVARN YAETGVSVEF HEVDDADNS NGPNNTSNLP LKLLRDHSFD ATVVYGDVLV
 HTSAHLRDTA IANSNRPV VTTAQKFFDY IRLATRHGAI HDMINNAPDT GTDIVVITAT
 NDALISDESE YYDELFHILE SAQGVILK

> RXA00749 (1-699, translated) 233 residues
 MLRKTVTGGI VALIATATLM NSVSSAEVVS GDVSAVDLAF AEFERTTAED VANGVPEAIA
 NAEKISNFTP SELEGFKSL ASDAVLRVS GEEILPDNVE VVQTDNVGDE DPNVISPAAW
 QGSDYIEGCL TNTLYGIEVL KVCTGGTYYS NVGIATSVSN PRSYVKYNSA PGLAVTTSNP
 RGGIEGLAA FYGDVNLVAF PNIPWVGPI SSAGTHRVA RSFPNSVVLN VY

> RXA00750 (1-438, translated) 146 residues
 MDWSIIINVL AVATVVILT IIAAALYRGF TRNKKIKLEA IREAQQHERD NPTIRIADLR
 GIMDTHHYIY TDVMVTRAHE LMITAPAFD VTLPEAVLYE DTKRAAHDAL NGYKDTTAS
 AEKIMLVDAV TAAWTLYSTK ANTGST

> RXA00751 (1-828, translated) 276 residues
 MLVRSRTLVLT AALSCSLLFG ATVNGTGVAI AYENVSMMAQ YEPRIESLET RLGSSGVFPK
 SVEQSVENLA ELPEETRFL EGDSEFSIID DGLLASRLDP NTGEIRHTLG ASGISYTPGE
 MKRSYTDREV VKVVPDGSF DRVTPHSVY VADSIYYGIE STGYPKVRNG QTVKIPLRVT
 DGGTGAVGGV PQGSKVVRDR YGSIENAELM GAILLIDEKT GDLTFTAPDD RTGQLWFRTE
 VTFPDGSSE VQYVIEVTDQ PEPVDVIRPA GSSLSS

> RXA00752 (1-429, translated) 143 residues
 MYSDKLILLF LSEQDSSYEC CVGLLDGSDG LDYIEKLLKG RKLKNHFLEW EDINKADVAV
 EEIYKQLVH LVFVTALSTP GEISFVFPQG SLMSATLEED FAALVLEER TSFRPELSHL
 WSLPVGWVAP GLEGFVERNS EAA

> RXA00757 (1-1254, translated) 418 residues
 VSFGVVKRPD ACYALFAILI KRNQATAVSA PMARQRQWV HARRGHFERV TRSEVELSAL
 LGGVEKLSDF LAEYFQLVEI GAGIRIYLDG DGGFWTCFGH FQALEVEFVG CGERLDERRQ
 NFSGWKSHKD KDNLPKIIIG LLHCEAMRRR IPSVLGVSLI AAFLVACTPS PNPNAALAQM
 YQDALFDSQA MSEAEPELAT LRSQHADELL AEIRRICGFD EGQVPESCQV TVPAIAILPT
 DDPEKYVND S QALILDNLDD IPEDSVALV EQYIAQAEFA EGSEVSPVVD LELTEAELAA
 AKDLADREFS AAWSLGVALA QLPETDREEV ETAISNHHR ASQLQIITSG TTPAPGYVSE
 LPDPTDETS RSNIEVVENN VTQAWHAAAS AATTDARVVF CAHIAGDTAR ELTLIDVS

> RXA00763 (1-783, translated) 261 residues
 VEKSRKRLVT IAASTIGAVA VAGGAFWIVD ASIAAHAERN LSKAVAESAD LENDPRVFLG
 SSIYSTAFFT GKLDVSVIDM LDVEIPGVGM VNARTEVESV EVSRDQILSG DLDGTTAETF
 TRTLRMDGVA IGAQLGITDL DISHPIDISP SGGITSEALL TGTPPDMDP VSVLVTLRV
 GSEFQMLPYE LIDAPSGTL DDVAPDFTWK IDTLQLPLAD RAMAVYLSGG SVHFQSEARN
 VQLTTRELSP LAAPEENSDE S

> RXA00765 (1-687, translated) 229 residues
 MSENSTPNNP VVPAGADGP SLSDSASISG SDAVNLAEEQ SKSTAHRNIP GLGDLPIPDD
 TANLREGPNL HDGLLALLPL VGWVRGEGQA DTAEDGQYAF GQQITFAHDG ENYLSFESRM
 WKLDEEGNPT GVDQRESGEW RINLKDEIEF VCTHAGGVVE IYYGQPLNER AWQLESASTM
 VTATGPSTLG PGKRLYGLLP TNELGWVDER LVGDALKPRM SAQLTRVIG

> RXA00767 (1-714, translated) 238 residues
 VGTIEDVANE QIEVANNTDQ IPAGYKSPLL SRSGAAEAQG AAAQAGTEGV AWHYGSPLVE
 QRIFETGTGL VDRSNRKVIK VEGPDAPTFL NNILSQKVD S VENGFTAGAL DLDAQGRIQH
 TMQVTVVDGV FYLDTSAAEF DTLIGFLTKM IFWSEVTVQE ADLAIITLLG QEIALPDAVF
 ARRVDWNGPS RIDVAIRREN LEEGVDKLLE AGAKLTGLMA YTARAREGVG ARCGRGFG

> RXA00768 (1-444, translated) 148 residues
 VKALEPAAGV DLDDKTIPHE IPHWIGRGEH LGAVHLTKGC YRGQETVARV DNLGRSPRVL
 VLLHLDGSA LDPVTGAEIK AGARTVGRLG TVVHDADYGP IALGLVKRSA LDKEHLIDDV
 SVNVDRLLP AEESEQRGRA AINKLKGL

> RXA00769 (1-213, translated) 71 residues
 MGRGRAKAKQ TKVARQLKYS SPDMDLDSLQ RELANQSPRR SYSDTPDDED QYAEYADWDE
 DDTDNRAYGT N

> RXA00771 (1-678, translated) 226 residues
 MTNPYEAFFP LKHRTGIEPE HTFEWENKR VHIARRRREA PVRVIVVHGL GTHSGALWPL
 VAAIEGADLA AIDLKPTPLY DDWLRLLESF ISSEDDGRPL ILIGAGTGGL LCAEAAHRTG
 LVAHVIAATCL LNPSPDQPTRR ALFRFSPLTR LIQGRRLNRE IPVTRVLNFS KISRSPALSK
 LCAADEFNGA FKITWGFLAS YVQHKAKLGA VPLTLMHPDH DLFDSR

> RXA00781 (1-288, translated) 96 residues
MSENKNIEIV HNEGQKREVI SVDGTPAGFA SYLDGPDIRN FNHTVIKPEF RGQGLSAPLI
KFALDDARES GIRIHACSA VAGFIQKNPE YKDLKN

> RXA00785 (1-621, translated) 207 residues
IIATLGVTLT VEARGLFLTV ASIPILFGIF TPLTSWFVSQ QGVAANVSPG VSVTEILTAV
YPLAQLFPTL IMVTLVAAAL AVVRIILLRR NQESRQVSSE LTRRAQREAE EANOAAARRA
RAQSTRVQSS KTRNRRQOPT GDTGSQVTVD ELIRRSQERR QTVAQRQTER GVPFTPTPGP
VVAPKPRPSA PEAPAPTDVG ERRQAAP

> RXA00788 (1-225, translated) 75 residues
MASSINIGVF NLGNAVAWL AGATITTSLG LTSAGLVGGL MTSGLVLAI VAVVLRRAQ
GTQATISVVE HQPAQ

> RXA00795 (1-528, translated) 176 residues
MIISLVSAI IMLVAVGFTG MCSFNTGSPE NGQVPEVDAS TFMSMEARAM TDHATRLPET
PEGWTTNSAR RTMVDDTPAS VVGVTADDEG YIQLTQTGET VEDAVAGYDT RWRDLSESYD
LDGHDVGIYT SQESDVRDLR VMDLGDARVM VSGAATDEEF NDLLRAVANS EPLPTN

> RXA00804 (1-444, translated) 148 residues
MKIRSAREIA EWFVAWGDEL DAEVSPLKLQ KLLYYSQGEH IAATGRKLFS DKILAWQHGP
VTPGVYSDTK SYGRNPIDPD EFVSDEFNWD DYSDVSDELV TVWRKYGIYS AWALREKTHS
ESPWLDAWAQ GQNIETDAA LKDDFFLVH

> RXA00805 (1-882, translated) 294 residues
MAESFIEVSA GHADRRIDKF LRAQLKGVPA SLIFRQMRKG DIRVNGRKVD PNYRLQEGDR
IRMWQMDLLA DLPPPVDKH IFKAVADSVL FEDAEELLVIN KPAGIPVHGG TGHGGGVIEA
LRQKFPQERD LELVHRLDRD TSGLLLVSKT TSVLRELQEI LRDREEEIFR GYLLKVEGAW
PGDLRQIDVP LKRTETTVPV HSDGLRARTY FEVVKRLPGA TLVKAQLATG RKHQIRVHAQ
YAGHPIVGDP RYGSRGGRRA TMHLHAAELV APRGAGKRQK FTAPLPKEWG MGRV

> RXA00808 (1-678, translated) 226 residues
AGFNEMMRGL RERQVRDLF GRYVGAEVAK RALEERPTLG GEDRKVAVLF VDVIGSTTFA
VNHTPEEVVE ALNEFFEHVV EVVHRNKGVI NKFQGDAAAL IFGAPLPLSD ATGHALAAAR
ELRAELKDLQ LKAGIGVAG HVVAGHIGGH ARFEYTVIGD AVNQAARLIE IAKTTPGRTV
TNASTLREAN EAEQARWTLM KSVELRGRSQ MTQIARPIRP TLADRS

> RXA00812 (1-1059, translated) 353 residues
MNTITHQAIL IAVEDPVLHP EAMHVAATG RPVIETTNLN DISRHFHRTS AVLIDASMAS
QLSPGKRRDR VFLDSDPGP SDWKTAMKIH AEQAMLLPAQ AGELLSALGR DDKQLPVASG
HVIGVAGVVG GTGASTFAAA LAKRRAESVT TVLIDADPSS GGIDLLLGIE DVPGARWPDV
GLRRGTVQAA DVLKALPSTP DEVVVLSTAR SNILDPFALS ESDVSAIDC FLSADRSVDV
VVDLPHARVH PDIAERLSHL VLVIPAEVRA VAAARARCLE LQQLHVSITC VLRHRGWSGL
DVAEEVEILG ADITAEVSGI QRLAKSVEMH GLTGSLPRVL SSACDAVLGE VAA

> RXA00814 (1-774, translated) 258 residues
MVYALGLLSV AVLISGSRGP GARTRPPTPG NGVHLFALIA LFCLATVLFI VVDAYTMIAG
IIIATTLFWY LRQTHAAAQR TKQSLQLASF LSLCAGNLRA GVTMVDAMDY ALDNTTPDKF
LSPTLQTAAR QARSGGSGPR VLIDASLPDL QRLGHLWETS ERHGIPLVAL IDQMRSSISS
KQRHGESTRA ALQGPQATAV ILTVLPLAGM LMGTAMGANP LGLLTGGGIG GFLLVIGVGL
DAAGFVLTHK ILQSASPS

> RXA00815 (1-573, translated) 191 residues
MITALVLAHV AMFLGSPNPG VRGGLISPKS GKSLRIRAGP KKLGNADPVD VSADIELFSA
CLDAGLNTRD AAQVVAHVAA ITHRELWTHV VALLSIGVSA PQAFALMAGV DGLDELANLA
TVSHRSGSAL SDGCRNISTS LLASAGDKRT AAAERAGVFI ALPLALCFLP AFMIVGLAPV
VLSLGTQLIN F

> RXA00816 (1-297, translated) 99 residues
MTIASAGVAS ILISLLVLA WQAGNLVARE QAQVAADVSA VAGAYAFARG ELPDAACATA
KHTAEANNAQ LENCATEGED LTLTVTVRGQ EAHAKAGPL

> RXA00826 (1-531, translated) 177 residues
MITVLIDGQS GAGKTTLAGE LAARTGFQLV HLDDFYPGWT GLEAASEIVA RHVLADADNPG
FFTWDWHNNC QGDWIKLEPG RSLIIEGSGS ITAATKRKAS LLGELVTVRI TGPEALRKQR
ALNRDPDYAP FWKVWAQQEQ RHFSLGVEVD HEIVLGSDEA SGRPEEIYDS LGTAQSS

> RXA00830 (1-723, translated) 241 residues
MENPGDLGAM PQYGFEHISM LITAVVLAIL VVPIARRFNF APAFGWVLLI ATLLSNLWNF
MPGYITLDQS WPFHFSDALR IIAAIALINR ARWAVSVTIL WGTINLMSL LTPDVQYLQV
PWLEFLMYWF MHISVFLAAI ILIFAFGEKP GLSGVVMSSA VAISWGIMCL MVNAFLGTNY
GYLSTEPESA SILDLLGGWP FYIVAELVLL CAVWALWSYL IDKLPITYRP AYRPKTRKAA
A

> RXA00831 (1-702, translated) 234 residues
MSALETQWQ DWSSVLIVVA HPDDPEYGLS AAVKEWTDAG VEVSYLLLTH GEAGIQGLDP
KETGSLRAAE QRAACDVVG V RNLTI LNHPD SMLVYNLVR KDIAREIRIR KPNVAVVSNF
DVEAYGGLNQ ADHRVAGLAA IDATRDAANP WAQPELLQED LQPWGAEVII IAGHPEPTHT
MDLAKDSVDA GVASLQAHKE YLAALPDPPK PEEFIPAFLE VEGGYAAAFR VFGR

> RXA00835 (1-690, translated) 230 residues
FAPWALTPIIL MLGGSYLCFE GAEKIWHSLH RRIKGEQHST EPKSQESPKS EDQLVKSAIT
TDLILSAEIM VISLNQIADQ TIWMQAAVLF VVGIGITALV YGVVGVLVKM DDVGLTLSKR
DSAGIQKFGR GLVKAMPIVL QVISVGVFA MLWVGGHIMV VGTEELGWEL PYHLVHGLES
WANGIGGSAL GWVGNTFGSL VFGLIWGAII TVVVSVIKFF IPQRAQNSSH

> RXA00836 (1-1671, translated) 557 residues
MYTHSTGTPQ LDFDGDYIPL HLFFSAQTAQ HFALERNVNH VLRAIVKPEQ GELIVEALLA
PIESATKIGV WVQDEFGLVI AESQFLNSQ LSRIASFGLH ISSQLLLTPS KGSLASVLLP
NLKFGILSND PPRADSHLLP LGRMWRVEPT VHALFEDFSL GSTILFGLRL DLEALIVSYN
GIECGILNFD DASALSSAVK FSNANGLTPT VLGHVVRENG ETSFEIDVLP LELWSKKQHR
LEVLKIPRLI PKEADSQNYV KATALLSDEI LRPQTL SKKA LSLSDTAVKY SPHVACGVGM
FSLFAVIPFD KLSDHSAMLL AVISLMLFVL ALVILFKRIQ STNTQRWNLA SSVGLLATLP
IIIFLVADTL IPQGSLENHA QPDVQVTTLA NRRPSSPTSL DSLGALNSPS SPNSPSSSML
QNSEMFASPP IASGQSPVST FRSWLDRSIL PLTRENSASE SAVTALGPSI VQPASESITT
PAQTSQSRHA IDGDGDSKTS TGRPAPTNS PIIALPPTWI IGPEDPESTD PTAPTEPTPEP
SEPVATDEPS ETSEQTS

> RXA00840 (1-714, translated) 238 residues
VTKTLPRLLT VAAALAIALP ATPVASAVTP VEQAFNASSN LSSGLPVDQW GRPNEQFRQQ
IEQAVNQPVV PQEIKNIVSQ AMGFITGDGS EGGDIEIPDN APRIAQFFWP TRSENCINGN
SAAVGSFAFV PGPADLPLPG AGVGQTSFVF TALGTGPLAE QQSTAMTVQW ANLSNFTHGT
TTLSNTGINP DGPSTISGVA DTGRGIIVAS MSGGLTTSTE NGSANCNFIPTAVVFDVR

> RXA00841 (1-537, translated) 179 residues
MTDLHPVKQE IFNTAESINT DPKGFLREVD TFKVTDGFLY MARGANHPKF GYLESWLLPE
LGLRANIFHF RKGVDERQDY YIDVAEIRVE DNIWTTTRDLY VDLISVCGEP VTVMIDIDELA
AATSAGLITA DDAERAIDAT LNAVEGITRH GDDPMQWLRS KGIELTWADA SQVELVPAE

> RXA00846 (1-387, translated) 129 residues
MLKNDLSGAR VVAVHAHPDD EAITTGGVLA DLAARGADVT VITCTLGEQG EVIGETFAQL
VNGDADQLGG FRIHELYASL EILGVRGIHL GGAGCWRDSG MVGDPANEHP RAFIHS GDRA
VEQLKELLA

> RXA00853 (1-603, translated) 201 residues
MPTSSSPATV TPLKKQSSRK QLQDIALIAV FAALIIIVLAF VSIPVGTAGV PIVLQNASIV
LAGLILGGRR GFLTALLFLA LGLIGLPVLA GGRTTLAALA GPTAGYIVGY LISPLVAGII
AYLAPKKRGA GMFIVLGLAG LAGLITQYAC GIVGLVLRAG LSLSEATIAQ GAFVLPDLAK
ITVMVIAAG VHAAFPDIRK K

> RXA00854 (1-213, translated) 71 residues
MRLSEFRQLI EDEFGEAKGE WIAHSHVIGA LGVTADVAVD TGVDLRDVWE QLCIDFSVPE

ERRLGKDEPG F

> RXA00855 (1-285, translated) 95 residues
MTYFAVLYTY NPDSEKVAEV RTVHREFIAN LHAEGKIVGS GPFVDGDGGA LIVIKLEEGS
NLVDAETLMN NDPFHVENVL DNRVIRSWNP VTKDF

> RXA00861 (1-426, translated) 142 residues
MAPHKVMLIT TGTQGEPMMA LSRMARREHR QITVRDGDLI ILSSSLVPGN EEAVFGVINM
LAQIGATVVT GRDAKVHTSG HGYSGELLFL YNAARPKNAM PVHGEWRHLR ANKELAISTG
VNRDNVVLQ NGVVVDMVNG RA

> RXA00862 (1-564, translated) 188 residues
VTETETANPV TTRTPSDAA PSPTTSEPTG SESTNSPSPT ALPPLGSPSM DQKQQAQVGD
SDMSIAGIRV AEHETFTRVV FDIAGNGQPG WWVDWATDPI QQASGLPVEM AGDSFLNVNI
QGTGYPDQVV VPGIDTGSYP GAGIVEDINF TSIFEARSQV LIGVSGQPRN YSVSLLQEPT
RLVVDIVH

> RXA00869 (1-792, translated) 264 residues
LFIVAADHPA RGALAVGDNE PAMANRYELL ERMAIALSRP GVDGVLGTPD IIDDLAALGL
LDDKIVVGS NRGGLRGASF EMDDRYTGYN VSSMVDGRVD FAKTLVRINL SDAGTAPTLE
ATAHAVNEAA AQLPIMLEP FMSNWWNGKV VNDLSTDAVI QSVIAAAGLG NDSSYTWMKL
PVVEEMERV M ESTTPTLLL GGEGNDPDA TFASWEHALT LPGVRGLTVG RTLLYPQDGD
VAAAVDTAAR LVHTDIQQFT SQSI

> RXA00874 (1-1089, translated) 363 residues
MSIGQHIITE RFGYAKSHTI DNVDIVLSRE CGENTLAVVR INNALYQLLV NDDGKDV LND
HVEEVGASFG AWTGSSAFPI GPFTPLGTEQ SNSSFITADN KAIVKYFRKL ESGQNPDEL
ISKISSCPNI APILGFSSAE ISGANITLVM AQQYVPGLDG WSHALTTTSG SFAEDAEEKIG
EATRNVTAL ASAFPTRVVP VEALADALTT RLNELISQAP EIA RFKEAAI DLYQSLEGEA
HIQRIHGDH LGQLIKTPER YILIDFEGEP ARPLNQRRLP DSPLKDLGI IRSIDYAAFY
DGEHTQWANE ATALFLDGYG SIEDQELLNA YILDKALYEV AYEINNRPDW VKIPLEAVER
LLD

> RXA00876 (1-1755, translated) 585 residues
MTLKIDPSSI SSAVSRLNEL QHQAITASQV GMKSTILSAF SPVSGLDQLG SGHGNVINGG
AGAANSVLNS YAEQIEWLSA ALQASGAALT GQDEFARGM DVADTGGRVV EESVMFPARP
APRFESFVFN PPAVSPSLSL DALCSQFSGT NSGAVLEAQQ SWGSMASAI NVSASLSSIA
GEILAENS GE TFEQAAARIN EVAAAGATFA ANAKMMGASV GTLNRIYMGH RMQVFMAATS
IKAILDPVQR LAAERAF LAS FQATFQADVL TGMPPVSNLM QMKGANGSAG EIALGMDEIA
GSGQAWSAAG LTPSGAAQGG VANAGSIAPD AAVQGAAGQS GVGSFGTVTD QLDGINIGDM
LTSASAGQS LANGLAMPTS TPNSASGAIP SSMSAASPLG AFGSGAGLGA QGGSIGSSAP
GAISSRAAGS AGGSVPGMTG GPGAPGITS SLMGARTHGA SSAGAVAPMM GGAGGMSGGV
VGAGGTGSQS KYARQTGSSV GSSSQSGSGL GMVSGSGSKP SISNFGRGMM PMMPMPMGG
AGGQKNTGK VKTVTSAVEE DRNLAALLGD RGPVVPVIG DWVRG

> RXA00881 (1-378, translated) 126 residues
MSNTETQFDW DGSTWTRTEV GEAPTRFVAVG VMEDFAYIAA TGTDGDEEFF TLGSNPGLTF
GDPEWLFAQD NPQYVVECIG QQGTEPAALK VVDKYLRLS DEESRGEPT ILNELVSAME
LPALPW

> RXA00882 (1-678, translated) 226 residues
MSSTTAQLRH RELTQEIYNI GDEVAEYIEH IMEAVSDWDL ELVEDCLAEF DEIITEARDD
SRTVVAELSG LRHALTTGIR QGTVSARATV EVDVDKPERL TASELERDFD IDAGLVDVRD
LSTALNARTD AVVKRLEATV EWLAEATDKV ANDLDSLSP LLYGRVAVI ESATSAWINA
VGTANPAYVR TMRGSNPPRF LLERARIDAV VARVADKLAQ KRNAVS

> RXA00883 (1-519, translated) 173 residues
VQGMKRKMVA AALATALLFG AAPAHASELV EPTTVAESVA LDPNKAINIL TPDWLEDIEA
KPGDIVHIPY QGTRNYEDLT VEVAKPFEDF QILVGLDNSI VIAVPKNLSG AASVAPVFTV
SDKNGEIDSF TIKVSVEPRR QSDEEKRSAL FDVISELAYR MPHLPFVSEL LKY

> RXA00887 (1-723, translated) 241 residues
MSLPVFISDS AAGPGETIEL AGPEGRHAVT VKRIQVGEKI SLIDGRGTAR TCTVTALQ GK
DRLNAVVDLV EEIPAPNPQV TIVQAIPKSE RSELTIDLLT QAGADRIVAW QASRCVAKWG
GKEAKSLAKW QVAEEAAAKQ SRRATIPEIL GVVGEEGVEK LIDESDLAI LHEEATAAIR
ELEFSGNVVV IIGPEGGVAP SEISRFDVAG AHTVKLGPEV LRTASAGMVA LAAIGVLSDR
W

> RXA00889 (1-588, translated) 196 residues
MSIEVFNESG YDGVNEEMLI DVLSFALGEM DIHPDAEASI HIVDVDTIAD LHVKWL DLEG
PTDVMSFPM ELTPGYSRPD GATPGPAMLG DIVLCPEFAA KQATKAGHDL AHELALLTVH
GSLHLLGYDH VDPAEEREMF ALQNE LLADW YDNVEARGVT YQPKPSGAGA FPTAADRL EL
DEKMEADDSG FGGVES

> RXA00893 (1-597, translated) 199 residues
MVESQHIIFI PESQQTPEF TEVVNEIPAG IKPRIVPWSG SVSAGVQAVE SILDREEIRR
VILVGAGTGA GVALEIAKNQ PRRVERLVLD SPLVTFDEKQ LKGMSTALKM MPGFFFFRKKN
KKDLLQVVEE ARTAVPMGFS EITMPTLIIR GSAKAGIDS DLEKQIP SAR ATTIIGANWL
TYTTHGRQTG AAIAEFLAQ

> RXA00895 (1-591, translated) 197 residues
MRGLAMILIA VAVLLAAWAL WSMQ GKDDTS TTSAGQTQST ETNAGTIAES SGSSDSEQAS
AEPGTSEETS AEQPAADGEA ANAAGAAAAG GASSANGNST PVNTLYVLNN STVPQLAARV
ADSLSGDYQK VESGNLPDTI IPQNTVYFTA GNTEAEKAAR ELADRVSGVA MERSDALPTE
TEGKDALVLV LVQDVAL

> RXA00903 (1-633, translated) 211 residues
MGNPLAVIAD ADDLSAEQMA RIARWTNLSE TTFLLKPTQE GADYRVRI FT PTGELPFAGH
PTLGT AHVER ELHGEQGTQL VQECVAGLVA VRAIDGPASG LAFQAPPTLK DGPLDASDL D
AACEALGISP DFIRAHQWVD NGPGWAVVEL PSAQHVL DLE PDFSAHPTLK LGVIGAYPEG
APHAFEVRAF AQGIGEDPVT GSLNAFIAQW L

> RXA00908 (1-558, translated) 186 residues
MSLYTRTQNT RHSTIIEFRR EQTRNHTMEP IQSEPRIYAD DPFRARFGHQ LPRGLREEAR
GMEWRTFTNT YAPTGNLRIS NLESEARRGG MFHFNATLIN NCQGERTTTD AHIMATGPVS
ACTNLLADAG RRVEILEFHQ FDIFEATVTF IYTCNNVSRT WAMGFGGTPE QSAASAMSSA
AHLLYG

> RXA00915 (1-510, translated) 170 residues
MSAAYSQDTI LTVFLGRGLT AEGIRQTLED FAETGLVRNL VWIDADS FHE SSSEVTHLAT
NQDGLPELQR RPFNELVSR S RTTKLHIGVI NVIDGSEGML HAEELNPLVG IIDSVC SHHQ
IHRSNVMIGA VAATLDEELP ILRGYVNLML APEDSHSPGT ATVTYRHGFS

> RXA00916 (1-3591, translated) 1197 residues
MKKVLVVGCG GSGAKTLAYM MDQLKTTLAD SLPERYPNPK EAKLPGAWQF VSVDVPTSPE
SPGPNLPNVP EAGGRYISCG SSDRYATVDT AVSNQLSSRG ALGGVSSWAL RNP DSETTPI
SKGAGQYRSI GRMLILSRLQ EIQAELRKSW DVLFSGETER ELADLRSALY GTSVSSGETS
KEQPIIFGVS SMAGGAGASM ALDICRLLTG LEGNAVGLSS LFMVTPDIFS QLSPDQVAGT
NPNALAMFAE LAAAQMGAA S EEDARLFNAL GVSVDGDSIP VGRIFPVGIR SGENGALLGD
GKPD TVYRAL GRGLAALMAD EVSMDNFEQF TLGNRGGGSA DQSKYAWGAQ EAKNIPWGSY
GYSQLSMGRD RYAEYAAQRL ARSAVDRLK GHFDPSNDAA SDQQLQKRLE NNRPSLMGNL
SDVLPVNAPA GDWIFHSFNQ MIENWTQRMK AIIKSQIPAA NGQRGSEWLG DVQRAFQSSS
QMIDNDSRHE LYMGVADWAS ADVLQRRVVE LLRDEIAKLG VPGVSVIES LSATI QNQLI
GQLSDLANNR APEAVQLDDV SRSELDNSKG RIDDSDSYIQ EIVSRSTGQL HTRAVQYIAD
HMASVLD DFL KNFIYPLQRT IQREHHSLEK DYQLTNDVN L GISQLKTNPV ALWPDESQTT
VPSRFSQAAN EVFLT DVASF PEQFQAHVRS STDDINEQND YSSALQEAST RVVSGVWESK
SGSEKAPRDL IRLIDVWVAR DLTRDPGSG SLRDPKQARF ELKIDTGEVL ERSRQYIRRP
GFSFQQFIAS SLREFITAPG LADHERRARR QQVLSKFSEA MTYALPLAQI NPQLVRALY
DEVRYNFNFS RIPFAGDELG SSLEQAVRDY PNHRPADISK PLGKALVSQG EERSIDIFGS
YPNYAPIVFD SLLPPIEKQW RQITGDRTEF WHGRTRPLT AALPMTDLER NAMVKGWYIG
RLVGRVFFPA TLDTAD TTPV QIYDEKSDSW INFSTPMLTP VSRFRGSLDW LPNLLESASL
AWARAGERPV FESVEPYIQL RQLWDDAASP SLPGR TTRGE KLLHDWLF DG NRMAGNVLQI

PGTEAGVTPA ARFEAAKNFL QRQNEISQNY VPSDKLRQGR LFTTADRPFG DVKDRELAAG
IPVFADLAAD VFDGTQEIID ILEKCLAAGP PSAQVFDNMV ARRDVSSGPS LPGEGEF

> RXA00917 (1-1383, translated) 461 residues
QLNMQLVGRD GQPRILEGSA LVDLGFTRAD TGEFAPLAQG IDISGGELSF PLDTISQLPA
IGTVEARTTI TTAGVDDLP TSLSPILNTT RITITQRDMP QLPASVRFTA DEDVVTVDIP
ITGPGKVWIA PGTQLSGVLP DGVDGIAASS TFDSPDNALV LGLDEQGTIP VELTVSDLRD
GLVNGSIPLQ ~~ISNAEGANET~~ ~~SVDLPTEGTL~~ ~~SVPINASTFA~~ ~~LAFILALVLS~~ ~~LLIPLLLIYI~~
VRFLSAKVPS SAMSGVRIPV EFSGEALRYA GSTMPDLASQ TTATKQVVVH GDTFNVEGHK
LKVQRFQLNP IASPAVIVQT DPSISFDGKQ KGTQAKLPLA VQGSWFLTAS GADPSKMELI
ALTNLPLEQG QIDRMIAGIT SKAPDRAREL QKLLDDAATS QPAKVPPRAP AAQGHVEKQA
PSFGTSGGGG FGSSNGGGFG SGSGSNDTNG GFGSSGGFGA R

> RXA00921 (1-1899, translated) 633 residues
VEGGTWSAQ TKEDLQFIAE VAPTHIETVT PFDDFISSED IDALPRRFY RPLAGRSLIM
QSVPAKDAT GRPGNVFTHA VFDGDLESPL ESVPISLYR SPDLLTPFRA AAVNAAELPL
DAGEPRIGPI TDLSLSWMMI DSMFGDRRQQ FYQLQDALQA GDKATVLVLN STNEAAYWLQ
ALSSTLT PNE ARRLHFSTF ERAATLPAPD KSMEARSLFV VPGIDRELLA EHSGIVIIDP
EIPQSQPF GP QGSWSRMTEG LFSDFGDADE LVAGLIRANE NLDNSQKELA QFGDGLARFI
RNGRFSGTHP LRVLADQHMF GKVPDKPAPK VEPVAPAPNP NAIWARASEV VHNPRASES
QDWPSLRRLP DSRRRIINMS EQAINSEIKL HDSPAQDLVA YLDFLLKTEL ATSINASDPF
FRSSFSDFPA MDNWRHIKFT EDAHPRRLREL LVDAERDARN RAPAAIVLDH IVPNFSRDRS
LPDIEDWTRS DEAQQIFAGI IAGASVQTGR SHFMWDL LRA YFGVALIGDE DTYRAFTTTLT
VDSVLSFVQL TLQEGRTEDI RRFEKYGEQI AREDLPSILT NARAVQQYLG YIDQDIINKK
VSRSDVNQI FTEMARAIIR AISRNNIGKD MRS

> RXA00926 (1-363, translated) 121 residues
MDIVFLIILL AIFIVPTFLM SRRQRARMTE IQKLQDSVVP GDRIVTTAGQ HATVISTTAE
TVDLEIAPGM ISTFEKLAIV RVLKANEPQ MLDEPTLFDQ PEDDQPNDF DGRTDGHPEN
R

> RXA00930 (1-753, translated) 251 residues
MSGHSHWATT KHKKAANDAK RGKEFAKLIK NIEVAARTGG GDPSANPTLD DMIKKAKKAS
VPNDNIERAR KRGSGEAAG ADWMNIMYEG YGPNGVAMLI ECLTDNRNRA ATEVRTAMTK
NGGNLGESGS VSYMFTRTGV VTVQKGD LSE DDVLMVLEA GAEEVNDNGD LFEVTCAPTD
IQAVRDALVE AGIEVEDSES DFRASVQVPL DADGARKIFK LVDALEDSDD VQNVYTNIDL
SDEVLTELEN D

> RXA00932 (1-474, translated) 158 residues
MTPQKLHRFA ALLEMGTWTL LIIGMILKYS GVTDAVTPIA GGIHGFGLFC FAAITITVWI
NNKWTFPQGI AGLIVSVIPW AALPFALWAD KKGLVAGGWR FSDPSEKPHT FFDKILAQLV
RHPIRSILIL LVIIAVVFSI LLAMGPPYDP DAIANTVD

> RXA00933 (1-462, translated) 154 residues
MTLVYLLIAV VVTATVLWAY FTAQRLNRLH IRTDSARQAL QAALDRRAAL VGALLPDAAE
ASKRAEAIPL EYSRFSQAR AEREISELIL KQKTL PDSI VDAATRVELA HRFYNEAVSD
TRDLRTRLMV RSFRLGGTAP LPEYFELLDLT DLLT

> RXA00940 (1-396, translated) 132 residues
VILVLEAES MRGYQIITTI SEQTEGNWTP SPGTIYPTLS MLEDEGLISI SHEMGRKMAR
LTEEGAQEV KNDAGWSIL EAYRN PESRE VRVFNIRSEF HKVREAAKAA PDDKAEQIIE
ILRRAADDIK RL

> RXA00943 (1-507, translated) 169 residues
KPGVKWRATN ATKRGKKQLQ QALSTKSETE KFGEKASDWF NDTSDKVTEY AYTAQDFVGE
NKDDWIKSAT ETAHKVADTV SDYAHKATSY LEENSGDWLE AAQANAKTAR KSAVKAAGKA
HEKANFALQV AEETSGRANK KATKSYDKLQ KQADKAIDRA QKKLKGIEL

> RXA00946 (1-774, translated) 258 residues
MHTLQATNP LDQTAWHAWH FSRNKEAISR TGATSLSATE WISATTLKDA HTFPSLPGRW
YKRGGGVVG HLPFAFATTG TVQLRPGELL IAEDFTLTVI ERLGQFALQV FDARNPKRFE

FHSIAAFPPS EEWRIEARFF PEPDVTNTAA ADGVIVATPT AGWVHFLKGR LDYRLRVTVQ
 KNNLRALFSD NSSTLGVYQH RFVDIPRPDA EGNTIIDFNR AYLPPKALNR KFLCPSPSLN
 NHLNLTVEAG EKWVVAGG

> RXA00949 (1-648, translated) 216 residues
 MKVFIIGAAG GIGNRLSSLL HARGDAVSGM HRNLEQASKI TDTGATAVLG DLIHNSTEEL
 AELFRGHDAI VFSAGAHGTG QENTTLIDGA GLRKAADAAS AANVSRFILV SAFPESSRGE
 NTTENFEHYM KVKKSADVYL SHTDLDWVIV RPGVLQDEAG DGLVLTAGLAI NYGNVARDNV
 AAFIDEALHQ PQLSKIIVEL TDGSTPVAEA VERLIK

> RXA00959 (1-327, translated) 109 residues
 MTVIGIILGS LFGVLAVLLI VVGALGWAAC LPGNPVVGIR VPEVRKSQEL WDMAHRVAGP
 LWVLGSVSVFV IASLVAFVAS GWMWLVALG VEAIAFIGM GAGMAAHTG

> RXA00963 (1-438, translated) 146 residues
 MRLATIRTNG TTIAARVESE NTATTIEGFA NVGELLQESN WRELAENAAG EAVTFENKEL
 DAVVPAPKKI VCVGLNYANH IKEMGRDLPD TPTLFVKFPD ALIGPFDDVV VPEWANKALD
 WEGEMAVIIG KRARRVKQAD AAEEYIA

> RXA00969 (1-147, translated) 49 residues
 IRQEERDDDA RLIVVTHSAL ESDLSRTVEL LKAKPVVKAI NSVIRLERD

> RXA00971 (1-273, translated) 91 residues
 NHAEEELDE ALSPLINRLR EMGFDPTE EANSALHSC PFVVNDKRPS AFVCAIHAGF
 IQESLGNNR IQLELKPLNA PGTCKVHVFS E

> RXA00973 (1-603, translated) 201 residues
 MNHSDDDRMQ KWFQIRRELG KEIVKQLQKD LPAVASDIGS MVYSSDQVPL GNATLTAYGD
 IGNRVASAAT SARYNVEELL DAIENARFAI WVPNYDNSYY LSGEEGADEF QTYLIKDASR
 FLESSGNTTP ENPQYSKSL TFASSELLPFY TAFNNSTYPL LHACVQGEPT EVDLYFYELE
 QAELEKETA QLSSGSSFGS S

> RXA00978 (1-615, translated) 205 residues
 MSRSPLTKGL NQLEHLELDK SLTAWSWAED DPLYLAGENL NGSYLIVAGR VRVSRDTIDG
 KELTVDIATP GDVIGAITDE PQPAVDSAWA IETTALFLP ATALATVIEQ HPSFALAMIR
 MQQORLATAR DHEINLTITT VEQRVAIAVR TLGRKIGQRR PDGILLIQVR IRREDVAGLA
 GTTVESTSRV LARLRKEGVI DSGRE

> RXA00986 (1-342, translated) 114 residues
 MTLKDKYDTE VAVSNNQDKH QFEVSYPEDA VTAGFAAYLD KGDSRIFYHT VVGDEFGGKG
 LASILVSEAL KATKEAGLTV VPVCPFVKGF VEKNAFEGYR KPNHEDMELV KSQM

> RXA00987 (1-465, translated) 155 residues
 MPKSLTFEDS INIAAPINQV YALVSDITRT GEWSPVCEKC WWDEDEGPVV GAHFTGRNVT
 PERTWETRSE VIVAEPNRCF GWSVTDGNVK WIYSMEPLEE GTVLTESWEF TPKGQRFFHD
 KFGDKSIEEI EKRRLAATG IPETLVAIQR ILEVE

> RXA00988 (1-423, translated) 141 residues
 MSKREESIEY GPLGKGHDPL KDPMKGIRGV MAGTLVMEAI TLGLVLTIVL RVDDGIYWT
 FNWVYVSAVA IAHFVAFLQ RFSWSIPMNI VLQVLALAGF FVHPAMGFAA IIFIIAWAYL
 FYLRNLIDR MKRGLLTQH S

> RXA01005 (1-846, translated) 282 residues
 MELARAHAR ADSFTKDLK RRQAHIKHPV FDFLFEYYPV RVAHLKTWHP GIGVFLEGT
 PHATMRDFLL VDASLHHAAG VQLDLASYMQ RRGSSVRYIH ELLSATRDNH AQFDCFLGHE
 WAMVYKSNL RHDPLRLTP SETDRVVESH NIKCTHFDAY RFFTTPAIPL NLTVLTREDQ
 PRNDQCGCLH ATMDLYKWSA KLGPLVPGDL FLDAFELARD TRILDMEASP YDVRGYGFGY
 VPIETAEGKA EYVSRQRELS ERAKPIRDRL VSITKQALQA SI

> RXA01007 (1-1707, translated) 569 residues
 VFKKHRHGLG SPETKPRSIT RRFETAATAAT LAGLAVLSGC TAQPSQAEDN TLTYLEPQFF


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RTLYPPSAGF YPNGSVVNNI ADRLLYQDPE TLELKPWIAT ELPEVNEDAT EFTFNIRTDV
TYS DGTPLTA ENNVKNFDLY GLGDQDRRLT ISEQITNYDH GEVVD EDTV R FHFSEPAPGF
AQATSSFNAG LYADSTLEFA NEDFAPGNAQ NVIGSGPFVI TDETLGTNLT LTAREDYDWA
PPSREHQGRA KLDVANYVLA GEESVRIGAI VAGQGDIARQ IEAPVEAHLK DAGIPIISAA
TNGVNNSFNF RFKNELLS DI RVRQALIHAI DREKIMRVLF SDSYPLATSV LAQNALGYKE
QVDAYVYDLD KATALLEAG WTLDS DGMRR KDGELELTF NEALPQPRSR EVVTMVQEQL
GDLGIKVNIN PGDQAAQDAD SKDLNKIQVR HTMVGRADYD VLKSQLYSTN RNELLNMTVE
GETADIGDPH LEELLMIAIS SPREEDRAAA SAAQDYITE QAYVLP LFEE PVVYGVQPYV
KGFSPEVIGR PSFYETYIDH SSDHSSEED

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> RXA01008 (1-1941, translated) 647 residues

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VSTTDKQVAI VGVGPRGISI LERIAAALNT VSRPKQGLTI HLIEDAQMG A GNVWR TDQTR
TLCMNTLAGA VTLFTEPGST VSAPVVEGPL QFDWIRLLRG DEDLSGIPTK AIELFRTYPP
AASVAEDFKE ELAATVIQSN PSRALYGAYL RWA FDVALQL LPQWVKVEQH HARAIGIRED
GDRDVITLDN SEMISADSTV LAVGWQTPAP NAEELSIAAA LEENPDLVWV KPGNPVEQDA
SLIPAGEQVL VRGLGMGFFD IMALTTIDRG GIFHEDPSTR SGLRYEASGE EPHFVISSGR
GYPYLPKSDY KSLPPGAKLA RLKAVIAAIN AQNRGVASIN YDAEVPWA V RDAYEAYYET
LDRVSPESIR TGLDKIVEII DEVDVDKLPK ALAAHTDDVF DLHAWEFPLA GINESVEALT
ARIADGMARD IRHAVTAWDS PLKSALWSIS AARKPSSILG AEGRLTFESR RNRFAAVMAI
QOMVGS GPPL FRTRELLALV DAGLAHFAGA RPRLSVSDGQ WQISSPTTGD TPLRSKVLVD
AWMHNPDVRR NADPLALSLE DADRVRPFND YSVDGTAAPT GSPEVDPATR LLVHPNGNLD
PRVHLIGIPT YGQLADTTIS PMPGTNPLML QETDKTAVHV LKQLGLI

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> RXA01011 (1-1233, translated) 411 residues

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MSDLIDMLVG EDLPQLRDNR PQARDNAQKS FEALLEPVNP GTFSFGERYA VATYVAGLHQ
FAPAVDLYQD LLLDDAPTTL ANAVSDAIDE GLSAGPYGTY REPGLESESE PGGSVRNDAA
KLGERLAAAF DYAHLLVFHP RDSRPEVLGR LSGAGWSADD TVTLAQLVSF LAFQLRVAYG
LRTLKGEDIQ VKAPRLSIPE AKWELSNGF EISTYEELNR PEA FVNHSLG WKPWVPPVAK
ADLTEEQ LDS LIQPERADMP YFRL LARDPA ALKARTLTDL DIFFNTDGE G LGRAERELGA
TVTSRYNGCV YCASVHAGRA QEESGRADDV NALLASIDSD LGSDQWNVIR DAARALSSTP
AAFNQGCITK LRGVGFSDLQ IVDLINSVAF FNWANRLMLS LGEPEVPKRF L

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> RXA01016 (1-648, translated) 216 residues

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LLPYAIVGLV ILLPSSWLPR WAVAVLGEVS LVPVAVFGGG FLLIPSMFLI GSALVRYGVV
DRAENAPRAM GVFFAVSAAI AIPTLIIQAR DITSSGFSIV STVAGLALGG VYISLVLLAL
HTPIRGALAA VFAPLGRMAL TNYIGATILM LIGGLIVDLP HSTSWTATVL LAAGILIIQE
LLSALWLRHY TQGPLGYLWR WVTWGSRS PF LTRSAS

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> RXA01017 (1-609, translated) 203 residues

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MAQKVTFWFD TTCFPCWVTS RWIKEVEQVR DIEIQWVPMS LAVLNEGRDL PEDYKERMKA
AWGPARVFAA VATDHADKLG DLYTAMGTRI HNDGRGPIEG SFNDVIAEAL EEVGLDAALG
EVADTTEWDD ALRAFHQTAM DEVGNDVGTP VVKLGDTAFF GPVLTRIPRG EEAGEIFDAS
FKLASYPHFF EIKRSRTENP QFD

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> RXA01021 (1-522, translated) 174 residues

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MSSSESSRSE GSQPAPSVQP ERRADSTGAP AAASKEASQQ MDAAGVLEWA RTAVEQLSER
RAEINALNVF PVPDADTGSN MTYTMTAALD EALKLGELGD VARITEALAV GSVRGARGNS
GVVLSQVLRA IAQAAADGVI DGHTIQEALS IARSLVDRAI TDPVEGT VVT VLRS

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> RXA01023 (1-951, translated) 317 residues

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PANGGINKTP MIALVLVSIV LVLAVLFGAR VLLGPAGQQQ IAMSGLPAPD AESAECALL
EDLPGEAFGH TRAEIMDPVP PGAAAWSTSD LERVTLRCGV DMPFQY TALA NTVDVDGTTW
LPVSDMTPGS SLETWYSVN R FPVVAITADD ISTD SADNPV DPFSSAVDKL EKR DGQPFDA
PLTGLSSAGT TCTSLFDALP RQLEVGGDDG TTYERIEEDR MQAAGYSDDA VAWDTPGLEP
IVIRCGVEPS ENYAAGAMLQ QIDDIPWFED TILASGTTSS TWYALGREID IAVSLPQAAS
SSLITISGFI EDTVPAE

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> RXA01028 (1-624, translated) 208 residues

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FYQNILASSR GSNTFLFSVP YIPATEGEET HPATDTSTIA TPTLSFDAYG NKA EVMPTQS
TVDKRVPSLL QYYTRTFHVR QDTQQAVFDV IGANPVLIAA AKAASISPAS ADSRRKKGLA
STNADPVAKH VLEIAGADVE SLRHEKDLKV TKHTGQDPAL PVVVFNQTIW HNPND DVINA

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LLGAIDQDAY IDMAISSYNK SWHNIIPA

> RXA01029 (1-489, translated) 163 residues
 MLQTISFKKL NLLTTLKRKG ELVIMITRHD VPYIIAPPVY AIFASLMTTP PWFYRTTYTI
 DGFDFKISWV YTITIIYISLM ILIIGFYQAN MRKACPYEED PLVDIWHKVV STALFILPIV
 LSIAYVSLIT QRGFDWYVMV FILPVGLMIA YGFFKPCDCD KHR

> RXA01031 (1-666, translated) 222 residues
 MKLLQYAGGA VYVDPEDSAQ SQDLDASTAR DVIDATNTAM TTITSRPTMI VHLHKVRKVI
 EILCNPALGG EPVNIDQDET GKQVYTPTPT LVAYRFISDK EILLHYLAQA GVQGVVEVFDG
 SPDMLSRWNA GRIPVLLQP ASAGHGLNFQ HGGHRLVWYN LPDNNEHYMQ ANARLHRIGQ
 KNPVTIHRII TADTYDANMP AILAGKANRQ QRLIDAVRRD PV

> RXA01032 (1-375, translated) 125 residues
 MSDHDAPQTP IPKGFQQID HQLDRLGTQR PETFAALRDI LLDPAYTAIV HDRNRYGVVT
 FDTNSAFFSG SGGDNLGADV LINCDWRMTD YRAEYVVMT HKYTKESFTY IEGDVKRGDL
 IPPNN

> RXA01033 (1-336, translated) 112 residues
 MTQIAMYLAG PMTGIPEYNY PTFHAAANKF RAAGYTVLSP AEDEYESQLT APLPENAEHK
 YDHYLRLGIE KLLKADAVHM LQGWQSSAGA TLEHDIAQKL RLAIITYEPP AS

> RXA01034 (1-354, translated) 118 residues
 MDMAIQSVE YTSVDSHERI TNVSVGVVY EGKQYVVDLN GDDIDTELDI ITLKEVIKIG
 REESARQIRR GSVDAELHRK ARLWAIDNDM AVGQRGIVPQ EIIDAYKEYC EKEGIPFE

> RXA01035 (1-606, translated) 202 residues
 VLIRIAEHQG RLHVHSPYSK AFAARARKLN GLWSPETKTW HFSPDKEQPV RRALKDVGW
 DEFTTPELCT VQLTVTPEAV LNKHTLTIAQ VTLLSRLRRN YSVWLGDNVR IISGNFPEAA
 GSPQYPLIMG VKAQPVVIHV QEFVDAVST IPPRFNPVI TAPPSIDIAA LRAEREQLTR
 RISEIDKKIA RAVHPTIQTE AA

> RXA01036 (1-453, translated) 151 residues
 MHTVGKLDL DLRKLTNTDV LDLINALFGT TVTSADDEAA DFIDSDPQFA VLVELAYHDC
 ARRAAMGLSR VQQLIYDNAA KSTYYRSVAA RHRKHIRELH EQTQRDGIHF DNPLSRVIN
 DLSMSMNRR LNRIASWKA GVQRYLNPTI S

> RXA01037 (1-528, translated) 176 residues
 MTTSSPLKSK NSLGAQTTF VRNCVADGPT EVKATIDARG GIEQLRDNEI SQLPDKLWFN
 SATSASNDEF TTDNIRLGLL YNMALNKASA HRYELAAWY AIVSPQPSQE ASHKRIASWH
 LTQLHALVTL SRTLGVIIIPG DEIDALAQSM ENARQVGTE WSTVTMRTYV TNRKAS

> RXA01038 (1-747, translated) 249 residues
 MTRDIFHEAA KLIAHLGWRD AFPALQRTDP APTHAVPIRA FDLKAGAVIT DENRSNAYIY
 DTLVITQPYK HELPHQNTHP FEWALEQIAT LDPAFSIKLD RSVTVPEIGL YARTLHDLNT
 RHQDFLAQRN AMLLVVARRG VDPKNIADVL GLTTNQIHRI LSATPADSPT DLGVNPATTM
 GDVVRFIKKR RTTMQLRGTA VRALLYHGLT PAVISRLSGM SRAGVINAAC AFPTTINHVV
 KKRKQHFHV

> RXA01039 (1-576, translated) 192 residues
 MAIKGAMPKN RVPVGAAGAF IAAAVIAGGS GVTFLAQGGG DVNTVAVVEP QDEVKNQVVT
 ETEIVTKVHD PSSSDASDAD SNTGTAEGAD SDHKEPREHD SAQEPTAPT DTLTITGNND
 TPVSALDAVA GPAPPGTVHV IENGETLSSI SQDSGVVPVGL IIDRNKLVDI DLIYAGTPLA
 IPTQEELAAA IQ

> RXA01040 (1-903, translated) 301 residues
 MTYPVTPQPV QPAPVAEKIK ASSLKEGTQV FIKGRVNYSR IASFITGTER ENNRNDRLHP
 IEFDYTSLLT SHPEIIYGNP QQKTNEELFL EQRIFVGKKR PEEGPKFSID NKSNNRLPQVW
 VPSTNADGTY EQLEGLEGEL DAGLNVIIIL EFYKPRTOVN RGSRLNAVFL QEPIRYTTPG
 YNADKLAALG IVLNAPPKDT IQLVPNEVAA GQDQSTTDS GLPLPGQGY APDQPYQAQP
 QYQQATPAAA PQQYQAPQPQ YQQSAPQAQP APAPVAQFQQ ASASGTCSAS TAAVSGTTSC

R

> RXA01041 (1-153, translated) 51 residues
VPQAPAVQAA PAVAQAPVAP VVDMTEPASP WDLPAAPSQP AQPAQGITYP A

> RXA01042 (1-1278, translated) 426 residues
MVNPFHTLDN SPFDPAQFP AFYHNPLINH LGRRRAWTIS DINKRPINVO QMLTTATYGS
PVIHGARIED AATSLTLDE LRTQIPTAAN NAFYLDVAVQD GCLILDIEKT CPPEVAATLL
TLSPATAFYTE VMSGGRGYHL VMPIPENFAA FPAVHNKPSI KHPKRWFEIL TSQWITFTTRQ
PIPEHVLHHS ESANTSAPVW LNDQPLTWEN VFADLAKTVA PNLKTGAGLT ITPNALMPPD
LSDAERIRDD EVIDSTCRLE AEHYSKTLAD FYDDASRFEF SQIGVIINLL LPTMRMHPTT
ISLDKPINSD HIIRLLFAVA TRVITHRSKH DEERSGVPYL MYQVISCLDM REHPDNGDYR
VVPSRHRNDQ HSNPNSAHV V HQPQPQPSA ADSPHHRAL PQENTVSEHS FKIYNPPATP
PLGGEN

> RXA01043 (1-573, translated) 191 residues
MLKFRIISTV TTGSQPTPRK SWSHPDPTLL VTMVTAPSLC SAINVWNATE RIPAQKILNV
EEVHVLGECS DAIISTSLTK KDNPHALVPD DFDQIGDVFG YAQDNVAVFD VIVAALGGAG
YGLLPGLVMH HIDEHTVALV FDTDSPGTGH ILGERCVYSD IIHMTDDKSA RGWGAIVIAIA
RAIILKVEQI M

> RXA01044 (1-1257, translated) 419 residues
MSLYLDDTSL RIVELDLKDT RIVPFLAGEP GIGKTSFIYG IGERAGYKVF SISVNTLADK
GDLTGARTLQ DPADGKWKQM FFPHATFVEA NDYALANPNE TVVILLDEIN RTDSVDTSAS
MTISTERRVG TTDLAPNVRL AVTGNLTGNV THLDSASLTR FSLYEVKPSA ETFMNIMGGR
LNKYIRTVLT KYPEYIFMKP TTATALITG DDDDDHTTNA KQMMDFNAVL GSDQDMVQFT
APRTIEGLSV WLNNAADDDEL RLLLQEKVDG LARSMALLQA TLESHTGDTA FTAEVLSMT
NDLLSSASQA PSGPIKPFVY DRLAAAPSNT VLEQEVHTLS LNDRADVLLF ALHDTVNNAA
PSIIAHLASE GVLDELPKDR ISKIVSLGPV PTANYHALTR QDITLTRLNG PAVLGFLS

> RXA01045 (1-1824, translated) 608 residues
MVTFSVANHA PHTFSPFDIE PPLTGNATTD EHGYEHTSVL EKLASNHLFN PINQHPVTI
TATENGSTVD LDAAALAQHL ALAITPDSML ANHQGYNRDM MGLLSQLTNH VGFDRRFIVD
QLFISQVLKA NRPAPANNV IYTPNDVIP SAKDILSTTA KMNNPLTVTA SAPITVDDIH
TAYEVFFASL ASVFFPYTYG AVFLNNAEFV EFVDYLINEA TTLHSASLIS NNTFNRFQSM
RNISIDNLTA EFLLRKNEAE TTDDYSFPRV LVSLLSHWVK LNHDDARANN DAPTCALAPF
SVAQWIMPET IVFINAEAHA HASSQDIEKK WKEINAALTG SIRIMSPNAI SKLQSAQHLG
MQAQMQAMRA RKDHHNMQKR SSQENDFSKA LPSPQTIVLS VAEVLRKLTH VRQSHNPQKY
QKKSLTRASR RHPDNPVPG TIKSKLFYPD LHVYVDTSGS ISEESYRNSV VLLMQLATKL
DINLYFSTFS HVLSEEVLLP TKGKTPQQLA ALISAIPKVS GGTDYHQIWD YIQINPQORQ
RMNLVLTDFG FMPNRGLNID HPSSIFYVPI LPDYGWSMV RRDMSHFANE MVDFDPYIHS
RLLGVHKG

> RXA01046 (1-1779, translated) 593 residues
MIPFPGQPQQ QSAPNDETRF IDLNERHKDD EPALFRDDVI DQTLAILISK NKPNAALLVGP
AGTGKSRIAE DIARRLANDD VSIPDQLVGH RILDVSIAEL VAGAGVVGQL KKRILDLIKY
ATDPSNKKVII FIDEIHQIAG DQSSHSQSQA KVAQILKPYL ARGDLRVIGA TTTQEARDFD
HDPALKRRFS RVNVDEFDRD QTLTILHAAR DGYLKHFNNA VTVSDDVLGY VYTYSQQFNP
GNTAQPDAAAL TLFDKALASL TMEKQRLINN HVIAPSLKFP VSERHIHNTA RKLAFGSQVP
ASINTDDARD KLETFLGQDH IIEPVLTAK REQLGIFPRT KPLSWVFAGS SGVGKTEMAR
ILSRAINGGD PIINGPEYI SPESITGLIG SSDGYIGSNS KRAKPLDPLI SNPRQVIVLD
EFEKSHPHFQ QLFMAALDTG TMAMANGTTL NFSQAIIAT TNAARDKIGR DSFGFSDNS
EVLGSAQAAT DPRAQERLKS LMSKDFLLNC STVSRLSLS TALMQAPTVR FWTISTSVAV
TPCCLATPHY AAQIPADIDS DTLDQLVETT FISDFGARPA ARTIEDHIAS LLM

> RXA01047 (1-474, translated) 158 residues
MIDTTANSTS GTLPTLTADQ AAFITGFCEA AIFTATVTID NEPIFLDEAF FLGQETYTDI
LMNQLRTNEA IVKDCLDFFL DNYTTMKNLI VDGLCPDWEH HGHDFLLTRD HHGAGFWDRG
YDEYGAQLTD NAEKYSENCL NFWIEPDSDP LIINFHEYH

> RXA01058 (1-321, translated) 107 residues

MRKLRTASVA LLTAGALALT ATPAMAQSTT GSSASSQVGD ALGASDYERD IWGSSKDFDD
VTFPGSAWYG YTLAATAVAI SGLVYANLPA IEQAAAQAGI KLEIPRY

> RXA01062 (1-486, translated) 162 residues
MNEQEREALE DAALEEEAALA DELAALEAEA GVQGSVEPYD YAADLDDDEDE FDEDPPFAQDE
PRDAGPLGEL SSDNHVSEAV AEDTGTSTEE SAQEGSHEES VDNPRDFTGT ATAVRSFRPR
LPVPNALRPG PPIRTQPAVN TDIYDGGQEN TAGATAADV G AG

> RXA01063 (1-330, translated) 110 residues
MADEKKVHVR ATLRFDSDTH QRAIYWADRK GISLSAYAE AIREKIDRON GVHVIPNSLL
DNRMNQIIDQ LSSFGRELAN NTTVVTSGFN TIIGMTRGDS YLSDDLDDLG

> RXA01066 (1-726, translated) 242 residues
MRRDSFRDRA LUVKTYDFGE ADRIIVLLTR DHGIVRGVAK GVRRSKSRFG SRLQLFVELD
VQLYPGRKLS TISGADTVGY YASGIIEDFT RYSCASAILE IATHIAGLEN DPHLFEEETR
ALKNIQDSPE PILNLDEFML RAMNHAGWAP SLFDCAACGR PGPHNAFHG VGGAVCLYCR
PPGSAEVPPE ALHMMWLVAN GQAARIPREH PEQOTTIHQL TTAHLQWHIE RKLPTLAVLD
QA

> RXA01068 (1-1071, translated) 357 residues
MPTNQPTPAQ IKRWRGYLAN EQAEAAAYRD LAKRREGEER DILLALADAE HRHAAYWVEK
LGPDAENPPK ADVKTRLLGF LARFGSVFT LALMQSAETR SPYDDDADAS RQISADERIH
AEVVRGLASR GRERMSGNFR AAVFGINDGL VSNVALVMGV MATGVPAQIV LITGISGLLS
GALSMAAGEY ISVRSQTELL DASLPDPKAR EALHALDVES NELELVYRAR GMESEARAK
ASQVFQIRISD QKRISDNVLG STEIQSAGSA RSAATFSFSL FAIGAFLPIV PYVFGMEGLA
GAVVSLVLVG LSLMATGATT GLLSGKPPGI RAVRQLSIGY GAALVTYVLG LLFGMIL

> RXA01069 (1-603, translated) 201 residues
VNDLPNLPKL PFNWTWVLAT VATTVVLAGI GLYVYPSLP DPMPVHWNGS GEADNWTPKS
VGSFSLILI GPGLILLTSL GMQALLTMQS GVITQRGAK SANEHRQWE TYKATSMHMG
WYMFVLNALI LVMILNEFRP NPLPGGFIIIG LIGIIAATIV LLVLIGKTTT SLAKKYPMPD
QDGKTWGIIFY NDPDDNRILV D

> RXA01071 (1-387, translated) 129 residues
NILYALLALS VIVAIIGIIN TLALNVIERR QEIGMLRAVG VKRGQVRTMI TLESVQIAIY
GAVIGIAIGL GLGWAFVTVM SGEGLDAAVS IPWGQVGLML VGSVAVGVIA ALWPAVKASR
TPPLDAITD

> RXA01074 (1-705, translated) 235 residues
LAEAGLRWL AEASSAVAQV VSADAEQITT VGVETQLPTP DAAFKAGEEL ARIHLAGAPA
FGCPPAGWAG LNYIGTQGQA CLSTPTWGVF YSQQRVLPPA RRARRRNHLT EHALLVVEAA
CDLISELPDD VPPARIHGDL WFGNLLFGTD GPVFIDPAAH GGHPEPDLAM LDVFGAPYLD
EIREGYLSIN PLPDGWRETT PMHQLHPLAV HAASHGPSYG VELLHAAKAT LKLLD

> RXA01075 (1-411, translated) 137 residues
MDNPVNILNE QEALERLQSV SLGRVVRRS DEMDIFPVNF IVDKGAIYIR TAEGNKLFSM
NLNHDVLF EA DEVKDGKAWS VVRATAEIV RKLDEIATAD TLELKPWIPT LKSNFARIVP
NEITGREFTL GEEPERY

> RXA01076 (1-1020, translated) 340 residues
MTPAHIFSEG PINSVVLSQD EDGNFTTSYQ DTFSDPSFLG EGDVLIIEVGW SSLNYKDAMA
LKGDGKVVRT VPLIPGIDVV GTVIESADPR FGRGDEVVLN GAGLGENRHG GFTQRLKVPS
EPLLHIPPFF SAQQVGALGT AGFTAALSVN ALVDQGIKPE DGEILVTGST GGVSIALHL
LNKLGYYTTVA VTGRREAHAE YLTSLGASDI IDRAELSEKG RPLQKGRWAG VVDSVGSHTL
VNAIAQTKWG GIVTACGMAQ GPDLPGTVP FILRGVHLVG INSVDAPREL RRRRAWALLSE
HLDTAVLDDM TTVIDVKDVA QAGEDLMAGK LHGRTAVRVH

> RXA01078 (1-834, translated) 278 residues
MSNAVPHNVS FNFVPRAYRP EKPRTFGMTE IRAPYYSTFG TRHLQDVFDV AGQWVDGIKW
AGGSFSLVPT EQVRAFSDIA HENNAYVSSG GWIETVLRYG DDAVDHYLKE AKEVGFDVIE
ISTGFIMLNT SGLQRLVEKV VKAGLKAKPE LGLQIGSGGD SGEAELAAEG KKDIGDLVDR

GKKALDAGAS IIMIESEGIT ENVTEWDTGA AASIINGLGL ENVMFEAADG PVFEWYVKNY
GNECNLFVDH SQILQLEGLR QNIWGNKSTW GRVINPAP

> RXA01083 (1-276, translated) 92 residues
MFPRIPLAMC AVAAIPAVVL RFSELSASPV ATMLIFGTAV VAASFVLAWA AEA VRKDISG
ALAVALLALV AVLPEYASET VVEHTYQ TSA AN

> RXA01085 (1-957, translated) 319 residues
VTDKARNRDV HNEQQ LARGE IGEMRSPMWV EVGAAILGVF VLVVMWLAWG GIGLLIQTMM
NTGSPNDKEL FDELGV RPY VAVEQQIGTS SAHTTCYQPL DEFGNNFGDC TRSVPKEPVW
YADYVASVFA EHGFDAPEPI DNSVGSWLLF GHVGII RVTF VIAVAAGVYA MSRAAMMRQL
ETQNVAVDTT DINQHTNDAR LAIPQEIVRD LSLFPDVG AH SPVQPSSMIS HVMLS NKGLK
KVDVTQFAQE TIIDNDTGEI VSEKGEVLYD GAGQPITKSL PMIDNEFSHA IFDKSDVPNL
PELRRFFNPA KIEWNP GGS

> RXA01088 (1-1182, translated) 394 residues
MGLWIDATAG VAGDMLLGAL IDAGAELEKI QQVVEAVIPG DVLLRTEEVV RQGQ RGIKLH
VDAQHEHHHH RHLSTIKELL VNADIPEQTK QDALGVFELI AIAEGKVHGI EPEKIH FHEV
GAWDSIADIV GVCEAIRQLN PGLIAASPIA LGFGRIKAAH GDIPVPVPAV AELVKGWPTQ
TGALMESTEP VGELATPTGV ALIRHFATQD GPFPGGIINE VGIGAGTKDT EGRPNIVRAI
LFNTSRSNPD TRTLVQLEAN VDDQDPRLWP GVIEILFAAG AVDAWLTPIL MKKGRPAHRV
SALVDSSEVE AVKTALFAAT TTFGIRSWEV EREGLDRRFE QVEVDGHTIN IKIGSRDDQV
ISAQSEFEDI RSAAVALGIS EREVVARIPQ GTTE

> RXA01091 (1-471, translated) 157 residues
MVPNTVLIHD ETADLATQIQ RLEHIMACLR DPVSGCPWDI EQTFASIAPH TIEEGYEVAD
AIAQEDWPEL RGELGDL LFQ TVFHAQMARE AGHFALVDV KAISDKMVL R HPHVFGA QSN
AKSADQQVKI GKSSRRPSAR AKRKRAF WMA SRWDCLP

> RXA01092 (1-180, translated) 60 residues
VETAA FVAEQ LRSFGVDEIH TGI AKTGIIA LIHGREAGPV VGLRADMDAL PLTEITGVYY

> RXA01096 (1-699, translated) 233 residues
MKPRVLSALG IGAGALV VVI SSRMNWVTIE AFDDKSGSVT QSIVGATWST EIMALALALL
AAFAAALVLK RMGRRIGGI SALI AVGASL SPLALLTQDP DAERARTLLT SGVASQKANS
GTLLSDWAEI INTTTHPLAA VVAMIGCALA LVGGVVLAMR PAEDTAKSNQ YERKQARAEK
IHTDLAQDPD SGRVMWTHSM KTLTSPRRLR NPKKPQVKAR VWHPDFFRHV CSG

> RXA01102 (1-1245, translated) 415 residues
VAVLVAVAAA FGSWSLLLPV VPLAVLNNGG SSAVAGATTG IFMAATVITQ IFTPAALRKI
GYTPVMAFAA FMLGVPAIGY IFSVEPIPV L VVSALRGIGF GALTVAESAL VAELVPVRFL
GKASGMLGVF IGLSQMLFLP AGLALGDQFG YNVVYVLGAV IALVAAVMCL RIPQV KAAK
QQPQVSEQER SVSTWKLVLV PSLAVTSLSM TFGAVSSFLP AAVIELDPGL GAALAGIILS
ITGGSSMVFR YLSGVIADRR GVPGTTMIPA QIIGFLGVVL ITVTIFQGWS VWLLIIGAVM
FGGAFGMVQN EALLSMFFRL PRTRVSEASA IWNIAFDSGT GIGSFLLGIV AASLAYS GAF
GSGAVVILFG IVLTTADRII GRHRITEYNN TRARLRQVPV ARRAVQGLRN RRKDR

> RXA01103 (1-225, translated) 75 residues
MNSSPISDMV TAAVQNEPDA GDRWFIYGLF LIAGLFFGGA WSAYKSENKI LMVAAGLIAV
LAVAGGILWL LGEMT

> RXA01107 (1-1200, translated) 400 residues
MDFTSVNDRN VPAPNTSIPF PVDLNRVTEA VDSLGYHYLS SEDRIIVPWQ DHRISMYFSH
ESGQMLTILG RTRLNLD MFA INDAARAVTE WNAERIGPTA LVHLGNDGEV ELKFR TTICI
DEGLSTQQLR QFINLSLDTT AMAVTYILER FSELNFSDTG SPDDTNNADE LSDEQDQADL
VEKIRGLYVP TPVEELIESL EDAEWEESDM ADEDAEDDYL DDDSEIEWET DDDYFEPEEV
DMDELLNGFL EDS DIPQEV LERIRAQLHA IGVVKTSGED DFIIAWINEV FLGFFVDNGP
TFLVKGHWD P SMDPTRDFMK LFMMCNQWNE NSLTTKAFCH TDDKGLQVRV EFAVSVAEGL
NDDQLQHNIA LSIHHILQAI DSISTEATGS STVEWPEKNR

> RXA01108 (1-651, translated) 217 residues

MTYPGITS DH NPYDGYTGDD GAGNKRNL PN RKKINKSVGV YAGVFALTLA LYAIGGAAWG
LLRPTYTAYV EDAETASIAV ETNTSFAGYA WFAIATGVLA AAIALFVFLR TPQHRGPVML
LWLGVISIA G SVAFLVFGNV ASTMLHGSPS DYASAI GASF QVAPTITPGV AFGVAPFLSV
CMYWCAAFVT PEEEDIDQDDA GQGTSKASGS EMTGASG

> RXA01109 (1-642, translated) 214 residues
LSISLSSKKV AFAALMVTPL LLTACGSDSS DTEAASSSAA TTNSSSSSSA ATSAEAAETT
SSESESESEAT TINEEQQAQL DVLSQELSEN PITFAEAAAPV ENGETASPED TAAIEALVRG
YTDNTLRS LAYTINNTCT RVLEASGADA TQLDLNTIPD IPLGGEGTGT VDSITDVVVN
GQEASAWVVA TAGGTTDSAT QRFFNEGGQW KFC D

> RXA01119 (1-930, translated) 310 residues
LAGVITGFAI ILSVIGVGFL LAKLGVINDD KQRLVLNRIA FYAATPALLF NVVARSDPSA
LISPVIVVTF VATIVTAAVY CVISAIFFKK DIATTATGAA ASAYVNSNNI GLPVSIYVLG
TGAYVAPILV MQMVIFAPMI LAALTSGDVK GSRGQKIWAA VKGSLLSPIV LASIAGLIVC
LLEIQLPAAV MEPTIILGGA SIPLILMSFG ASLPSTNVLA SKADRP SVLT ATA IKIVGMP
AITWLIKAF GLEGDYLYAA VILAALPAAQ NVNYAATYR KGEIVARDTV FLTTFLALLG
MLGIAALFGR

> RXA01121 (1-678, translated) 226 residues
MNPEFIHGAT EIETTNRGLR PHRLSKEIVE RYCDPQFSAM ERQPSGVRV CRTTATSVTL
TTYSTRVVYL DSGRPGGKID VLIDGAPTSS TPTSGGETTE VNFI TGATER RLKDPQVLT V
DGLSEQEKVV EFWLPHNEEI EVISLKANAA LNTVEDTRPV WINYGSSISH GSVATAPTKI
WPAIVAQSKN YNLRNFGFGG SAMLDPFMAR LIRDTPADLI TLEIGI

> RXA01122 (1-522, translated) 174 residues
MPFPALLLPL IFWTGIAALS SWAVSRALPL RADNSIEIDA PVEKVWDFIE ETNRVPEWNE
HILYVQAPGE IEQGMKLKMK TRHPETNRLT LKFRPTIDVL RPHRELTWST KIVARWLLTV
TDIELKPLE DGRTEVDQSM SFSGVLSPGV PFLASISRIK ENSNRQLKAL IEAE

> RXA01123 (1-447, translated) 149 residues
MRTLAAELNI KAPSLYKHVK TREDIAAHIA TKAFIQLGQS LHEHCESVED LLAEYRSMAR
ENPNIYRLLT SSEFPRELLP EGLETWAGTP FYLVTGHDPI KGQALWAFAH GMAILEIDAR
FAGPNNGSPA DGVWEIGARA FDTQVFDQG

> RXA01127 (1-279, translated) 93 residues
GIGLAASGNI DATGTNPSMF EPVHGSAPDI AGQGIADPTA AILSAAMLLR HLGDEDNAVR
IETAIAADVA GRDNSQPIST TEVGDRIVKA LQS

> RXA01128 (1-1014, translated) 338 residues
MSFTFIRTEFF VLFGITLLVS CVPEPPDSYT KESTVLRYQV SDFNLNFVEL AVALGYLNNI
ELQVVGVSQ GVESIESLKK DDIDFAAVPF IGLVAGEIAT GAPIKAVAAS YGISHDSSSA
LLVLKDSEIH EVHDLIGKT V GINTLGALGS AMVERHLFDA GLTEPEIVSV TQRALPGEYL
EQRLYQGOVD AIWVTDSAKH QALETGDFRI LAEDSDLVQE LNTGCMVVSQ KLIDEHPAVV
GELVDGVAQA IEFERSHSPE EVREVFNYL EAHGQSDRIS SFRYWEHSGI ATRGGVLSDR
EFSMWSHWID RQYDVDPINP ASIYTNQFNP YRKVNPS P

> RXA01129 (1-1866, translated) 622 residues
MVNLMSVELE EIRDFLAGFE PFAQLPAEEL DQLPGKMSLR YFRRGEEIIP IGVPNHYMGV
IRSGAIDVLD QEGVLLDRRD AGRSFGYSTM GPERNSRYRM VAVEDSLVLR LGRDDFDELA
KRNPD LNRY SSWSKRIRAA ADQLRQESSS KVLRTKLGEF KIANPISCSP DTTIMDAAIK
MHEFGVSSLL VQIDGELKGI ITDHYMR SRV VAKHLDIQLP VSEVMTVDPR CATSQGLAFE
AMLLMSELRI HHLPIVDDGQ ISGIVTAADI MRLLRHDPIY LTADLSRKNT VEELANTFQS
AAEVASRFID RGASAEVSS LLTVAADSLA RRLVLAE RK FGAPPVPYCF VVVGSGQRKE
MGLASDQDNA LVLDNSYNDR EHGQYFAALS EFVCQGLDRA GQVLC PGDMM ASNPEWRKTA
DQWISTFHSW ITAPEPDALL HAQTFDFERG IYGDTEMAKD VHQNAVNMAR GARRMHAHLA
SLAARRDPPL GFFRGLVVER SGEYGATMDI KKGGTAGIVQ MARLYALATG SDAIGTRERL
IAASGHGQVS RKAQDQLDA FDFLAAMAFQ HQARLIKVGE KPNYHIDPKT LGKMDREHLR
DAFSIIKDMQ SALATKYPVR NI

> RXA01131 (1-867, translated) 289 residues

MPPATLFNVL TSAGLDPHQS GDAIVVESAH FTLTFTWDEW LRAQATWVGE LSASDYVRSI
VAINSAHDAR ATPKMLLDAP TGLTTVLKAD KGQLQAFVE ALPIGDGLSE AQLAGFVAAA
FDGAIDLTRF FHALYPERSP QERGAMLNK LVDASPSQTV TPVRVANWFM DQGVVEVPYD
AASGRISFEL GDTPVDVILD DPELLKIQAV VVADRDEVEAT EVLHLCNRAN LDSDHSTIFM
RSDGDDVDFV ATVAVPIRAG LNDFQLSQAL HDGVVGVVGQ VRAVINQLH

> RXA01134 (1-459, translated) 153 residues
SATQDTGVWK GIFALLMGRG ARDWRTGQQF DRWTFDELGC NFHQIFPTKW CKERGIDPVL
TESVLNRTPM GRRTEVVIGD TPPSRYLSRV QSKSLMGDEE FDQMLDTHLL SAEDLHSSNT
THFFASRRTN FIDMVEDAIG KAVIRDVNES DLT

> RXA01137 (1-360, translated) 120 residues
VRPTFVILRI SEYFGVAEAA INAATGRLTS LSEVFIDNAA EIQDNLSSLV ALQKDLAERV
NVEGVNPVTP VDLELRLGS AQLAVAATAI EVRVAGGAGY VKSSSTSRRF RVEMGACTGP

> RXA01140 (1-786, translated) 262 residues
MALDTRGEEM RFRPRALSGA PDTGKDPGLL LLDGQQRLTT LYHCFSGDGY VNTVDFRSKK
VTRKFYIDVA KAVESPMSD EAIFSVDETG KIISHFGPVI DGGITDLETA LAHGCLPVSV
LLDDNGTDLF FDLADMAGEG AREHAKRFQS QIVKTLVSYD IPMIRLDRET AKGGIGSIFA
QANSSGLQMD VFDLLTAVFA ADESVEFEFS LRDDWVRVER NLRQHSALDG IGSTEFLTAV
ALLVSARKGH ASGYREDIILN LT

> RXA01148 (1-600, translated) 200 residues
MTSPVENVKK KPRPLALSPS RAGDYQQCPL LYRFRAIDRL PEPKTVAQVK GTLVHAVLEY
MHKLPREERE YPAMVKQLKP TWAQMCEEDA ELKELVPEDE LYDFLVDSRT LLRGYFEMEN
PQGFDATECE MYVDTVLPNG VVVRGFIDRV DTAPPAKSEL STTRLARNQS RSGASKRSSR
CCSMHWSTGA CSMKSQLSFV

> RXA01153 (1-543, translated) 181 residues
PFLSPIVTST HAVVAYSTAR GFGEHRVRWD YAQESPLRDT RGFDLRRYHQ APVVDPHAIG
VANVFVPNGA RFYVDHAHPE YSSPEVTNAW DAMVYDAAGD HILMQAVSDV ASFTSQNRSV
LDGHDPCPAL KIYKNNVDGK GASYGPHENY LYSRETFDVF LAQALIPFFV CRQVIIGAGR
V

> RXA01154 (1-603, translated) 201 residues
EGIINTRDEP HTDADHWGRL HVIIGDANMS QTANFLKFGM TSLVLDAIEA GVDFSELKLL
NAVSEVAKVS HDLSLTHQLR LADGSELTAI DILRRYLDKV QPFAETPVEQ RVTALWGEVL
GLENDLLST SHLLDWTAKL ALIKSFEARG LSINDPKMYL IDLQYSDIDP QKSLYHALVS
KGRMKTLCOA QDIADAAATS P

> RXA01155 (1-1365, translated) 455 residues
VESALTRRIM GIETEGYGLTF VDGDSKKLRP DEIARRMFRP IVEKYSSSNI FIPNGSRLLY
DVGSHPEYAT AECDNLTLQI NFEKAGDVIA DRMAVDAEES LAKEDIAGQV YLFKNNVDSV
GNSYGCHENY LVGRSMPLKA LGKRLMPFLI TRQLICGAGR IHHPNPLDKG ESFPLGYCIS
QRSDDHVEGW SSATTSRPI INTRDEPHAD SHSYRRLHVI VGDANMAEPS IALKVGSTLL
VLEMIEADFG LPSLELANDI ASIREISRDA TGSTLLSLKD GTTMTALQIQ QVVFEHASKW
LEQRPEPEFS GTSNTEMARV LDLWGRMLKA IESGDFSEVD TEIDWVIKKK LIDRFIQRGN
LGLDDPKLAQ VDLTYHDIRP GRGLFSVLQS RGMIKRWTTD EAILAAVDTA PDTTRAHLRG
RILKAADTLG VPVTVDWMRH KVNRPPEQSV ELGDP

> RXA01156 (1-201, translated) 67 residues
VSVVNAKQTQ IMGGGGRDED NAEDSAQASG QVQINTEGVD SLLDEIDGLL ENNAEEFVRS
YVQKGGE

> RXA01158 (1-942, translated) 314 residues
MSIVEHIKEF RRRLIALAG ILVGTIIGFI WYDFSFWQIP TLGELLRDPY CSLPAESRWA
MSDSEECRLI ATGPFDPFML RLKVAALVGM VLGSPVWLSQ LWGFITPGLM KNERRYTAIF
VTIAVVLVFG GAVLAYFVVA YGLEFLLTIG GDTQAAALTG DKYFGFLLAL LAIFGVSEFV
PLVIGMLNIV GILPYDAIKD KRRMIIMILF VFAAFMTPGQ DPFTMLVLAL SLTVLVELAL
QFCRFNDKRR DKKRPEWLDG DDLASPLDT SAGGEDAPSP VETPEAVEPS RMLNPSGEAS
ISYKPGRAFD GDVL

> RXA01159 (1-315, translated) 105 residues
MSLGPWEIGI IVLLIIVLFG AKKLPAARS IGRSMRIFKS EVKEMNKDGD TPEQQQQPQQ
QIAPNQIEAP QPNFEQHYQG QOVQOPQNPQ TPDYRQNYED PNRTS

> RXA01160 (1-975, translated) 325 residues
KSSNKISDLA RQLNLLPYFT RYKGRVMEAR ARDLGQPSSQ IMEDLNRLWM CGLPGLLPDGD
LVELDHSFKE VKIHNAQGM D KPLRLTPTEA GVLLLTLESLESLPGIAKQE AVVSAANKLR
AIMGEYSSTV FDSTGEDLDA EVLEIIRDAM DLHQVVSFEY HSHRSDNTSL RQVSPAHIPT
HEGETYIKAW EEAVNQWRTF RLDRIIRSIVL LDKAVHVPAR GVSVDTPDPF EFAKSSDIAT
LLLREDAMWL GNYMAMEVDE TVEPIRSDSG FSWHTVHFPL LSRDWFVRFA IGHAHLKVT
SPEDLRKCIK QKAFSGLSAY DHHVE

> RXA01163 (1-705, translated) 235 residues
MGYTNLNDTR VLRAGSCDAW WRTMSPLVQQ GSEAVFRRIM GLSRRPDRKP GFDDVPFHGA
AVRVPGLKHG TLVNAAPLKV LGARGEPNPA SSYRFEYITG DSAGRAITAT GAVLFSTRPW
TTGPRPAIAM APSTQGVQAH CDPSHTCAIG LNAFYDKPFD AIIAYELPVI LWFLAHGLDV
VFIDYPRDPA TGVQYYCDSI AAASKLLDAV LASRQLGLSP EAPLGLWGFS QGGGA

> RXA01165 (1-573, translated) 191 residues
MVGHVPAIA IPYFIIEILA FIGVMMWLGFWALGLLVLF FVGGLLAGV ELRRISKSA
IHQASQGSA GAIAGNIGLT AAGAILVAMP GFVSSIIGLL FIFAPTRALF RKVLAKRMS
AIENLGVGRF EAVNGYRTQA SYGNFGAAFN GGAQQPSNEP IVIDEIEIQA WTSCLKPEDF
TKGKDESDEGE K

> RXA01166 (1-483, translated) 161 residues
LTGVIAAIA GLAVNSSEMF EEIMSVLNER GVSDVLKNIT SCAGGSLLAS GYSSSRGWTH
QGTPLADILD DLPLVVAEFG KQKLGRVAPE IPVLLWGSKN DDVIPIDPIR ELRDSWADKG
TPLTWESQA PRVPGRTGLN HFGPYFRNLE KYSGWLIDHL V

> RXA01167 (1-321, translated) 107 residues
PRQLVKYKTA DGEIYEVPPFA DDAEIPPEWM CKNGKLGILM EGEGVESKPV KPPRTHWDM
RERRSIEELD VLLEERIEAL RKRRRNAAKL LKAQQAEEA EKAAEEV

> RXA01169 (1-567, translated) 189 residues
IPVFLAVFVG SDALGSISFG PFVEAFFLLI LIPLVAAAGT QQVARKWQVG RTIMAAAEAI
MVPLMLTLF AVIASQVEAV SQQFTDIATV VPLYVAFLMV MIPIGGGISK LGGLGFKEQR
AIVFSGATRN SLVVLPLALA LPAGLEIAAV VVVTQTLVEL IGMVVYVRII PLIFHEKQTY
RKLSGIGES

> RXA01170 (1-483, translated) 161 residues
VSLSNKAKGI VAVIIVAWIV AMAGMVAYAS SNNADKTFPT AGALEQTVAA FDRQGLQVSA
VALADIYGE YVSAAILCEG TPTATLEQSL GVDLSEINLD ESGVPSGVSY LALSNDGEV
VYDKIDRANV DLCATPLNGA FSAYSLMPVA KVGNSWAIA A

> RXA01171 (1-693, translated) 231 residues
MSQAAGKFKP MTSTLAESTL TSLKELEDPK ILSVNERHGD DHAVNLTKLR AVAKELKKNQ
PLARELWATD DTAARLVAL ICRPKEFDQS ELDSMIHEAR TPKVLDWLIN YVVKKPNPHWN
DLRVLWLEDP AENVAAAGWA LNTHAVITKP DALDDSEILD TIEAQMKTA PRVQWSMNEC
LAQIGIHRPE LRDRAIAIGE RLEVLDKYPT PPNCTSPFAP IWIEEMVRRK K

> RXA01173 (1-615, translated) 205 residues
MHVSTLPNKK LRTRIFAGTA AVALSLGVAS CSNAEDAVDS ATDAANSATS AAGSAINDAT
GTSSASTTEP SGTSGSDSGS DSAGGDTTEV ESADGSTISI PTAVVTAANA AGFSTPESVE
EGPNGESLVT FPEGYIVNSA EGGAQALVGM IGETWIGEGG LSAAVGLPTG PEEATTNGWT
QQFTSGVISW LDDGSGQFAA SVEPA

> RXA01174 (1-750, translated) 250 residues
MSNMQGNDSK KSSGASRAES PLIKFRTLII VIFVILIVGL ASIAVGPVVY QLIMPGVKVT
EGIQADGAAP ASTDMNGTWD VAPGSIPNTT SAGFTFAEIL PGEEKITSGS TTGVTGEVVI
EDNSLISGLI TVNMTHITTD QEKRDINVRT KLFHTDQYPE ATFEVTDSDV LSALPDTGSI

AQVVIPGELT IHGETKAVER TFDVLRITGDQ VIVASDIEIN RLDFGVETPE FIAAKINETG
EINVRIVLEK

> RXA01176 (1-504, translated) 168 residues
VRYFYDTEFI EDGRTIELVS IGIVAEDGRE YYAVSTQFDS SKANAWVRAN VLDKLPNPSS
KVKWSADTIK REVYEFLTST GTPPELWAWV GAYDHLVLLAQ MWGDMAGLPR EIPRFTRELK
QYWDMAGRPT LPELPNGNHD ALIDARHNLA KFKVCMAALP LGKRDRVS

> RXA01177 (1-1986, translated) 662 residues
MHGEKLVDTG EGNLSQFQWR DMATNQTLRK ALLVLSTIAL LLTLWPSIFN VRAIESFVFF
FHIDTDVYRA GANAFLHGEN LYTQDYQVGS IQLPFTYPPI SAALFVPLAI LASSVAGIAL
TLISTVLLWW SVAIVLRRVL KGLTDADSRF VSYLILPMAL STEPVFQTLQ FGQVNIILMA
LVLMDTFTKK PWLPRGEWIG LAASIKLTPA VFGLYFLVKK DWKGAGVAIA SGVGFSAALF
ILSPSSSKIY WTETLNDSR IGNLSYIANQ SVRGTLSRMM HEQQDLVEKL WLAVVLCCL
AVAVAMWRVV RAGNPYGAVM LNSLIALLCS PVSWSHHWVW LIPIAIGLGA SAWNQRRAP
GIAATAGVLA LLTTIPMFIT TFWNMPYDSE SYPFWPLILQ PSGNAYVVVV IAILIVAIVN
PTVLGSGNKA VSGQAEKKSS PALLVLAIA IFYLFANIWF KGNNQNKALI QYPLQTMGR
GLTDFGELIF EFAASSNQLV SLWIIGALNA IALAITLWFL LQRFAGKKSS WLIYLVSTVAV
ALMMFSVQDA LQFGSLTLVA LALITVDVLS VREIGRRGLL TGLAAALFGW PILIVIGFLI
HRRYAATITT TVTAAVLWIL GILLNPDAFN LNLLRQWFNG RDGRDNLSFY AFLARWVSES
PA

> RXA01178 (1-450, translated) 150 residues
MMFVWFIVAL GLGAWAIHRT WSHGFKDLVS ALSIALPTLV LPIVELHHLV LLLPLIAVLL
RQGRVAISYL IGFYILVSWT PQHLSYSTVF PLNDPAPEGY VAHFGWYLLV EPMVAPAAI
ILGAFIACAA TTPKTSQLVQ VDKSSAENTK

> RXA01184 (1-1473, translated) 491 residues
MGLFGFGIFL ALGLGQDHMG ILAGVSVGM VAYCIAAFMW PSQEGQLDPT AFSTMPLSAK
QLLPFGAIGT LLQSRGIIAV ICTVATSIIA AVFLPVGSWP MIVFMMAVSL VTTLLLGELL
GALTSGSSSR VSNDRTTVLT SVVFMVFWG YNMLIGADGM SRIDAIGAYT KWTPFGAGAG
AIEAFVGLW GEAGLLTLLA FVYVAGFWL WSQILNRALT APLDQGGQGG SAKDSAGEGK
KVLFLPGIPW SVGGAIFSRS LRYMFRDSRL LGSMIVFPLL GVLFIQSFQ VEFFMIYVGL
IMMAVFGSV ATNDFGYDGP SLWLNIVAGV KARTLLMPRH WASMLPGSVS IVVFMIIITIV
LAENKTTAVL ICFIPLGIFI SSAVALLVT TFNPYPTSKP GTSPWGDRSG YSGAAFVGAF
AALLLGWIPT IPTIALGIFG LVTQDMWMI LAEVLAILLP VAVYIGVAKV CIRKVEKDLP
EIFDKVKTHV K

> RXA01186 (1-1098, translated) 366 residues
MATPVPLVFN APKRGMPPTH FADLNDEARI EALKELGLPK FRLNQIARHY YGRLEADPLT
MTDLPEGARQ EVKDALFPTL MSPLRVVETD DDTTQKTLWK LHDGTLLESV LMRYSDRSTL
CISSQAGCGM ACPFCATGQG GLDRNLSIGE IVDQVRNAAA TMQSEGGRLS NIVFMGMGEP
LANYKRVVSA VRQITQPSA GFGISQSVT VSTVGLAPAI RKLADEEMSV TLAVSLHTPD
DELRTLVLPV NNRWPVAEVL DAARYYADKS GRRVSIYAL IRDVNDQDWR ADMLGEKLHK
ALGSRVHVN IPLNPTPGSK WDAAPKARQD EFVRRVIAKG VPCTVRDTKG QEIAAACGQL
AAEESA

> RXA01187 (1-459, translated) 153 residues
VDPFETNPND LPTGLDPAYE GNSELNPLGG KNIPDEPEVT ANTPAVQEEP AYSEPETAVE
SKRQAKQNTK KSEPVVAPKQ TLAGGTWVAL IVGALLLILL LVFIMQNQTT VELNLFATWF
QFPAGIGFLL AAITGALIMA LGGGVRMFY RRS

> RXA01195 (1-447, translated) 149 residues
VIVAVSAVLL AAWRFFTLRS RGTTVILREL PQSGVHGWRH GSFRYNGNDL EYFKLRSLSP
MADLILNRLS VTLLDRRDP ADEAVFMSQG LKILHIKSKN DQIELALDAH GEMAFATWLE
AAPDARAEHS LNPRDFNRER ASKDRKRN

> RXA01196 (1-690, translated) 230 residues
MRLVIARCSV DYVGRLEAHL PSADRLLMVK ADGSVSIHAD DRAYKPLNWM TTPCSLVETP
ITDEGEATG ESLWVVENKK GEQLRITVEE IHSEQNFDLG QDPGLVKDGV EDHLQELLAE
HITTLGDGYT LIRREYPTAI GPVDILCRNS DGETVAVEIK RRGIDGVEQ LTRYLELLNR

DELLKPVHGV FAAQEIKPQA KTLAEDRGIK CVTLDYQALR GIESNELTLF

> RXA01197 (1-453, translated) 151 residues
MSTEQSLNIP HEYVICLDHV GIAVPDLEEA IEFYRSAFGW VNNHQEINEE QGISEAMIGP
KDIKSTEGMI QLIAPLNEDS TIAKFLEKKG PGIQQMCLRT NNIDALSEHL RRQGVRLLYP
EPKNGTGGAR INFLHPKDAG GVLEITQPQ S

> RXA01198 (1-303, translated) 101 residues
MIVAFSVAPT VTDNPDAEMA DAVTEAIRIV RASGLPNETN AMFTLIEGEW DEVMAVIKEA
TEAISRVSPR TSLVIKADIR PGHTGQLTRK VEAVEERLAR D

> RXA01206 (1-261, translated) 87 residues
VSAENTENTD SPFEISEFDD HRRPLQRALK FGSIALIVFT LISLAIWGAT RGVPGVSAVV
IGAAGVAGFV LLTALSVLFT TNSNVTT

> RXA01207 (1-648, translated) 216 residues
VSRIYDCADQ DSRAAGLKAA VDAVKAGQLV VLPTDTLYGL GCDAFNNEAV ANLLATKHRG
PDMPVPVLVG SWDTIQGLVH SYSAQAKALV EAFWPGLSI IVPQAPSLPW NLGDTTRGTVM
LRMPLHPVAI ELLRQTGPMA VSSANISGHT PPTTVLEARQ QLNQNVAVYL DGECALATP
STIVDISGPA PKILREGAIS AERVGEVLGV SAESLR

> RXA01210 (1-693, translated) 231 residues
VFPVGIPLLL FLIGNGGAAE SANSFDYFVM YTLLFVQFYT VLSMATTRRD ERVLKRLRTG
EARDIDIIGA ICFPGALLTL IFTVVIPLL MVLGAPAPIN LVPIVFAVLI GLLCSALAL
MTSGFTRNAE AAQMTSMPVF MLAMGGLGSI RFVFGDSIVA DILAYTPFAA ISDLVQIGWA
GATFADSVGG VEAANFAGIF QDMLIPLGIL AAWTAAVWA ANRYMRWDSY R

> RXA01213 (1-1227, translated) 409 residues
MTNPTEERNA RRLIWANGLQ NIGDQIVAAK TVLPWLLQAA GAPGFLALL VPIREAGSML
PQAAITGWVL RQTSRSKVWV IGSNGQFVSA LGIGVAALFL RGWALGITVI VLLAALSFLR
SMCSIASKDV QGKVISKGR GLVTGRATVI GGVMGLVAGL AIAIFLGSHS PTRVLAUVI
ASSFSWLFAS IVFARIEYAK PATPKNAPS NPWVRRICIAA LKDDKAFFR VLVRSMMLVT
ALSTAFIVAL AAESGNSIDS LGFFLIASGL ASMVGGRISG IWSDHSSKNV MAGGALFGSI
VLILVLVSSA FAPAQINTLV FPLSFFLITL AHTAIRVARK TYVMDMAEGD QRTRYVADAN
TLMGVVLLIV GALSGFIAIF GNEAALLFLA AIGLLGTISA RGLKEVSAG

> RXA01218 (1-429, translated) 143 residues
MARLQHDMIF INLPVSDLAA SKRFYAGLGF KENTVFSDEH TASFEVSDAI VVMLLETARF
SDFTKRPIVE KNGSREVLNC LSV CSTEDAD EFVRRQAEFG GTITRELAAE GPMYGGAFDD
PDGHGWELMY FDPEALAQMM PEG

> RXA01229 (1-693, translated) 231 residues
MIISTNTAHP LHEPHVPSHH NRMNTLRAGV LGANDGIVSI AALLLGVIAT GASDTVVFGA
GLASTIAGAV SMALGEYVSV SSQRDTERVL IAKEAKELAE DPTAEHVELS EILHSYGISP
ETANQAATEI QGGDALGAHL QLELGIDNEQ LTSPLAAAFS SAVAFLLGAL LPMVSVFIAP
AGWDAGVVFV VTLLVLAVTG FISAQISGTS PMRACGRLVI GGALGLALTY G

> RXA01231 (1-504, translated) 168 residues
MLGYTFVIFI LAPFLILTGI AMAPAIRSRF PWYVKLFGGH QGARSLHFIA MVLMTGFVIM
HXRPGLVHG DYNMVHMFV DMNTDRAAQA YIIIVITTIVX GGVXLXXAQY IXXWXTXXAX
XGXPPXSXEX XRKIFXXPAA SPDEQAXXHL HGQGH LAVPL DQWPAADR

> RXA01234 (1-384, translated) 128 residues
MWKFMKTQYV CTTYFIAAPE DEDEAYQTYR SRMNSLAALN GADVVSADG LRMEVDQDIW
GSLAEQYQIE QEGLYPTGHN LYFVVTVVNL DDSDEVYDRT MEHLIMDDPY VRVDRFPSTV
HASTQIML

> RXA01237 (1-441, translated) 147 residues
MNVQFESDMA VQPGNTMEAT VTDIRDAKRK TTQLDSVTPF KKNCPSTRLL DTISDKWAVL
ILLSMENGPQ RNGEIKDQVQ GITPKMLTQR LGVLVEDGLV TRTSHAVVPP RVDYQLTDLG
ASVIEPCRAM YSWAVENIKQ VEAYRSA

> RXA01246 (1-639, translated) 213 residues
 MKRTITIAAL ALTSTLVLSA CADNTEGENT DTTTIATTSA PDTTETTGAT TDPETETGAA
 GEVSAEHNDA DIMFAQMMIP HHQQAVEMSE ILLAKDDIPA EVIEFTQGGVI DAQGPEIDRM
 NTMLETWEED PVTGDMGEMD HGGMSGMMSE EDMTALEDAQ GTEAARLYLE QMTAHHEGAV
 DMARDEVTDG QNPQAIALAE QVIEDQEAEI AEI

> RXA01249 (1-300, translated) 100 residues
 VSQDTFLTTH GLAAMDVEI IDHLDRQKVT ERPTDLIASV RADELLSSD DQEVVVDLPD
 NQTYVSIAPY LNSTHDCFYH SLTTCGLDLD NEDIHVMITD

> RXA01251 (1-309, translated) 103 residues
 MTQPDMSQIL AQAQQMQAQL QAAQQEILAT TVVGNAGNGL VTVTMAGNGE VFAVTVDPKV
 VDPEDVETLQ DLLLGAFKDA HNKVANVAEE KMGPLSQGMG GLF

> RXA01263 (1-912, translated) 304 residues
 LTPYDPTAVN KESEKEAAKN LFGAEALTVD PDAGEVVDRV DNFYPTTAKA KRDYPSNYAA
 GCHQEVNETS PESCVYGDKN SDFSVALVGD SHAGHWLPAL EPIAEAQGWR LEVYTKSQCP
 LISTAIKLGE TFYAECYEWN EKLLAKLTGP SAPNHVIVSS QRYASANPLI DSVATGTVSE
 GYEMAWNSLK DAGVSISVLL DTPRPQIDIP ECVASNRDNL SECSVHRSVA LGTEAHPQQK
 TAAQNIDVPV LDLSNWICPE EYCSAVIGNV LVYRDSHHLT ATYARSLSSA LWNELVASNG
 EPPK

> RXA01266 (1-1035, translated) 345 residues
 MPKVSVVTFG YNRCEHLERT IESILNQYTS DFELIVFDDA STDGTASRL ELKEKYDDPR
 FRFIIHEENK GFVKGLSEAI SGAKQYIAV QGSGDVSLPR RLELQVEFLD ANPSVGAVGG
 AIYNIQEDTG TRNPQRFEPK IATFDDLLTS NPFTHGEVY RLDLYKSIGG YRSGFTFAQD
 RDLWLRMAKK ADLGIIPDFL YHRYTLLDGV SFVPDKTIRQ RCFSEAAVRL ALMPEEEGAL
 AYSRLEAEGP TAVVPIADRA VQKFVPKAAI RLCLYGAPET GLHMARDYIQ NPLRRTIVVV
 LISIYSSRLI KPLQDILYKS IFKGVSSISKP IKSSLVKFTR RIQCK

> RXA01267 (1-1314, translated) 438 residues
 MYAEINGGFI PEGTVRVSGA KNSATRLAA ALLTDEVVHL GNFPTKLVDV EHKIRFIEEL
 GGVHVDHDE QILVVDKDL AAREMTTDEL NIPRTTYLL AAAQIGRGEI ARVPFPGGCA
 IGGGPAGGRG YDLHLMVWEQ LGCKILEKDD HIEVTAPQGF IGGVIDFPIS TVGGTENALL
 CASIASGDTK IANAYITPEI TDLIELLRM GAEITVYGT RIVHKGRAGL LQGAYMDVMP
 DRIEALTWIV YGIISGGRT VEGVPFSSME VPFIHLEKAG VDLFRNSSSV YITPECLPSG
 SVQPFELACG THPGVISDMQ ALFVLLGLKG AGTSRVYDYR YPERIAFVEE LTNLVSGDKL
 SAEAGKITIQ GDATFRPGYA NSTDLRGMA VVLAALCADG KSTINNVHMA LRGYNELDKK
 LRLLGADLTI REGEVPS

> RXA01268 (1-840, translated) 280 residues
 VAARIARVPR IVYVAHGLRS ETVLGLKKKI LVFLEYLTQL FAHQTLAVSH SLKKAIEDAH
 PRFKGRVQVL GYGSMNGVEL DRFRVPSLEE KLSARNALNL PSKSVIVGFV GRINKDKGGD
 LLAALTKHEA FTRLRLHLI IGELEDDDLR EAFIKLVNEG QVTITGWIDF PEEPLAAVDV
 LLHPTQREGL GMSLLEAQAM GVPVLTNAV GTVDAVTSGE GGFFADDDSV ESWVSKIDLL
 VSDPKLRDRM GRAGRQFVSA RFNRDDVAAR FSHFVEQFKK

> RXA01271 (1-1812, translated) 604 residues
 MAISIGKAGQ NLKGSVPIGK VLFLIDALAW ISALFIGVVL RYEFNLSSIN WSAFAWFGLA
 AVILQFVLGL SLHLRYKGLR HLFSGFEDTL NVSISVIVVG VVLWIASLFV GQRWKISRGV
 MLLVIPLALV FVLAVRYLAR MRVERFRRA ADSTPALILG GGYIGTNLIQ WMMSDPKSPF
 RPYGVDDNP ELACQVRGV PVLGKFDDIA QVASDTGAEL LIVAIGDADS ALLRRVQDTA
 NKNGLSVKVM PAIDRVVSKG VRGNDLRDLS IEDLLGRQPV ETNVSEITGY LTGKRVLVTG
 AGGSIGSQC TEIAKYGPAE LMMLDRDETQ LQQVLINVAG NGLLDTDAVV LADIREADAM
 KEIFLKRKPE VVFHAAALKH LPMLEQYPDE GWKTNVLGTL NVLAAAEAVG VETFNISTD
 KANPTSVLG HSKRVAEKL AWYQONSTSK YLSVRFGNVI GSRGSMPLTF TRLIMEDKPL
 TVTHPDVTRF FMTIPEACQL VLQAGGIGRS GEVLIDMGE PVSILEIAQR MIAMSGKDID
 IVFTGLREGE KMHEELVGDG ETEDRPFHSH ISHAHAESLA PNNLDRDRFM QRAGKLASTD
 SEII

> RXA01273 (1-1434, translated) 478 residues
MELREYATIL MKNWVLIVIA SILGIAAGAG FSLLATPEYQ SRTQLYVSVR SGAGTTS DMV
QGANFSRQIV NSYVDVIKTG VVLEPVVDEL GLELTANQLS SHISAASPAD TALINITASS
PSPQQAEEIA NAVGESFKNV IQTELEPDSG DGMSPINLTT TQVALEPSSP VSPNVMNNIL
LGLLVGLAIG VGIAVLRAAL DTRIHSRLDI EEVTDKPLL GIIADSEVEK HPLIIKHKPH
SPIAESFRAL RTNLQFLNVG GSSSVFVISS ANPGEGKSTT SVNLAALAE AGSRVALIEA
DLRLPRVSKY LGVEGNAGLT DILIGKAEVN DVLQRWGRTO LYYLPAGRIP PNPSELLGSA
EMDKVIAELE ESFDYVIIDA PPALAVTDAA VIGHGKAGIL IAVSAGSTKK PELEATLSTL
ENADANVGV VATMLPPKSV AGYGYGNYGY GDTSKINAPK PDNTELTITD ASKANNEQ

> RXA01275 (1-918, translated) 306 residues
MEKIRSPAVQ SDALQVFKSA LAATVTWWIS VNLLNSQLPF LAPWVALMTM QFTVYHTFIS
GIQTAIASVI GVGLSFVIGT YLDVSVWTFG LAMVIGLIGA RVPKLRAEGI GIATTSIFLL
ASGFDDQOPL LYDRILEILL GVAVAIAINL IIFPPLRDQE ANMVVGNLDR RMGEVLQKMA
DELAEKWNID NADEWLEEIN SINNDLEKAW HSVRFVRESR RVNPRKIRIQ EGRPQPTETS
YESNLTSIDE GIAHLRHLAR TLRDTPIDS DWGSSIPATV GIPYARCRSF ARRSESGNRS
YPRPAL

> RXA01276 (1-546, translated) 182 residues
MRKTLITMLA TTAIAFSAIS PVQAQTVDDT TDASVSSELS SGTSSGSSSED SEDSDISNRD
IIFGIAAIAA VGGLIAGGVH WAVQQRMIPN PLPGIIPNPP ALAPQAPAPA PAPAPAPQAV
APQVVAPQVV APAPAPVQTN RTYKNCTEVW NVLGRSIRQS DPGYGTHLDR DRDGIGCESR
PR

> RXA01281 (1-762, translated) 254 residues
VGLSRSHYQL AAENTKSLVR MVPMTVPQGN EPAKKLATDL NRNQVDELS AAVSRGQLTL
EEFEDRSSKA WNARHLDTLV ELISDVNDNP YTLLGQQFPG ASYAPAAAYET TPPAMPNVSD
PVNIVNRIT GNPNGSKMSV SFMGGTVRKG GWHVPNVHTS FAMMGNGQID LRDAFLES DR
IQINAYTFMG GIEIIVPEGV FVICDGMGIF GGFEQSVDKA GALNPARLPS NAPT VHIKGL
AFMGGVSVVT KKN I

> RXA01282 (1-780, translated) 260 residues
MDELLKQEVK DFLTTRRARI TPAAAGLETQ PWSDRRVPGL RREEVADLAG ISLEY YIRFE
RGNLKGASPE ILQSLAKALQ LSPIEREHLH NLAYRADHPR NLPSAETPTA PLQDIVDAVT
DKPAWIRNEQ MDILATNRLC AELYAPIFKD LPDRPNTARH CFIGATASEF WVDRDQFSAE
FAAKLRLEYA RRPSPVGLKE LIDELHQKSS VFRDNWASAD VLSFGSGIKR FRHPTLGERV
YEYETFNLS APGYVLSIYF

> RXA01294 (1-666, translated) 222 residues
MSTIPDVFTS EVFPEISGTK EFRGLTYMFF DQFTLPTAEQ LEQAKAAGWS LITGWGWNDS
TDLEDVELED ITNEGDSL PK LTDEFVSSL STFDLNSQGL PNDDREPQPI EEADSLDDIF
SEEEGWGLMA INCPNWQVPA ACEWLGC MNV GEPFEMSHVL RVWQNSWGVE ALAFGG EEDD
ADLLLRVPEE SEELLKALAV ASDQVTTYKH EDLGLASLW FD

> RXA01295 (1-975, translated) 325 residues
MTENLDNALL SMRMKPVQMA LMTLGYNHDM AVTDSGMELI VRRPGLTVNF NLDSVTL CIV
ADFMWHGCVF AKKQAEYLRA ANEFNRPTRD LQVVLDEADS KNMTVRGREF FFSSVGATWE
QSAEFVHYCM NDVATTFVSW CEQIWPKFSP ERVEFNATPP DVDFEFSEDQ LKEGNPFGLI
DEPTPLVSLD RIYQQYELMG ADQLKMGEDF VEYLHMGQRV SAWLTDGNGG SDRKTLAVSS
GTGVKIKNKK QLQELLGLCN LYSKEHVLT VFAEEIENGA RWGIFAEARI DLPAGLNDHQ
LWVFLANSSK WTAEVCLTVA HRLQN

> RXA01296 (1-1083, translated) 361 residues
MSIEQAITS SARVRELKPI IETEEATKTA LIIPFISNVL GYDVTDPREV IPEYTADVGV
KKGEKVDFAI KTGD DFHFLI ECKKVGSP LS LDHANQLVRY FNVTDTEFAI LTNGEIQFY
GQLDAANRMD AKPFMTLDLN NIDARQFPHL EMCTRKHFPN QALAAAEEL KYIAELKKVI
ANQFQEPDVE IVKMLAATVT TKRMTAQNLE FFTRLVNTAS SQFLKDEVNR RLRS AQVFED
PVQTQGADE TPAEDEAVIE EVVSEIVTTE EEIHGHSIVR AICCSEVSAQ EITMRDAKSY
CAILFQDNNR KPIARFYFDR KIPRIGIFNA EGEQEHFDLE SIEDIYNHAD LLHSRVVALN
A

> RXA01301 (1-405, translated) 135 residues
FLRLEGIEPK GPARAYYFGD VSDTV DILIG FVSPAQAES LRRGALSQSG GDIDDVVLHH
FRDMKTMHSR HSGPFDGVER VWDEILDEVE DLGCTLPSSS IGWEEYIEGP ATADTCQDLA
SEVYVQVCQA PVKSA

> RXA01304 (1-486, translated) 162 residues
MPAQNKNLPG SVIVVSDRIK SGERIDKAGP VAVDLLQESG VEISTFTVVE EGFEFVHQEL
VKALARRDRV IITIGGTGVG PRNRTPEATE PHIDTLLPGL MTQILFSGLS NTAQAGLSRG
LVGLSARDST AALIVNAPSS SGGVRDALGV VCPLFGSIFE RL

> RXA01306 (1-1008, translated) 336 residues
MTEWYVVLPA TILLIALSAF FVIIIEFALLA ARNRNLEETV ETSRSSRAAL RSLNELTLML
AGAQLGITMV TFALGAITKP WVHYALMPLF EWARIPLVMA DVIAFILSLF IVTFLHLVIG
EMAPKSWAIA HPETALRTIA IPARGFINLF RPLLQWINKM ANDLVRKVGE TPVDRAAAGG
YDITDLHALI EHSRETGALD QQSAAQISGI IKLDKITVGQ TLTASPFTHS ASATVAEVQA
AAQRSGSLRV LIDAPSHLFP HVIHVRDTLG ASPDEKASKW SRPILTVAET DTLHQALEYM
REHNEQISAV LSADGKTVLG VITWDHILKY LWPASV

> RXA01310 (1-327, translated) 109 residues
MSSAKKKPAP ERMHYIKGYV PVAYSSPHSS LERSATWLGM GFLLTALAGV GAVLFAVGAN
SVGQQQEHWW LYSIIGVVFA VVCTVLGTVL IIKGRAPYNR YVKETGRTO

> RXA01313 (1-945, translated) 315 residues
ALRLISQLLA PSAALNFKSE RNAVDVAKHM LASQAQQRGS ALVALDTRSE NADAATALRK
SLLIRSWTOR GTHQILAAED VRWMTLLCSP RILAASAKRR SSSLSDSAV QARADALTTA
AEKSPVSRTO AYEIFRSVDV DPGEHRGQHL LRHFGGEGDI VQGPPIGTED SFVLLDSICP
LSLALNGDEA LTEMTRRYFH SRGAATVKDL VWWTGTLVRD VKKGIAAVSS DGLIHSVEGP
NGEEMWIPTW ADDVTDAEVS DALALELTLP AFDEYLLSYT DRSHVMDPEH LFSIGPGKNG
VFKPFKVVQG EALPV

> RXA01315 (1-651, translated) 217 residues
VDIEEQPSLR EIKRQMTLEA IEDNATRLIL ERGFDNVTIE DICAEGAGISK RTFFNYVESK
ESVAIGHTAK LPTDEEREAF LATRHENIID TVFDLVINLF GNHDNSKSGV AGDIMRRRKE
IRVKHPELAV QHFARFHQAR EGGLEHLIVEY FEKWPGSQHL DEPADREAIA IVGLLISVML
QGSREWHMPP QGTQADFQAC CRKAIKNTFL LRGGFSE

> RXA01316 (1-303, translated) 101 residues
MDISMLNVIT SYTIWAIFAI IGICGFVGAF LAATTREDAF EVADRQKKMV WVAILIASGF
VLTALGPSIP ILPWVAIIMI GLYWFDVRPQ IKSILEGAGG W

> RXA01317 (1-420, translated) 140 residues
MSDAKDDSI SKWSNAASEL SGAVSGVAKK LREELSEKET FSKLKTEASE AVDQAKSGSY
LDAGKEFARD AGSIKDAK TVKGAVSDSD KNDVKSAGFN AVEASRDKFD DTLEKRKAKK
DSPEPGDDDI IDGEVIPPQN

> RXA01318 (1-1302, translated) 434 residues
MGKHEVAQQT VPGSPPEMEA QRRKELRKHK AIATGLLIFA AAVYFLCRFV ETRPGETAAM
VGFVRAAAEA GMIGGLADWF AVTALFRHPL WLPIPHTAII PRKKDQLGEA LSGFVGDNFL
NAQLITEKVS QARIPERAGE WLAQPENGEK VSREVGKLTA NIVRAIDPSD AEAVIKSAVI
DKLAEPTWGP PAGRLLEQLL AEGKAEPVVQ ELAQWLHKKA LGSEPLIDRL LNERPIWAP
KFTAQLVSGK VYDEVIKFTE AVAADPNHEA RKSLRRFLNK LAQDLQHDPG MIIKVEEIKR
DIMGSGAIAQ AAPTIVASAS ESLIESAEDE SSILRRKIAE AATSWGQRL L VDDSLRHS LD
TRITGAAFL ADNYAPEVTG IISSETIERWD AEEASEKIEL MVGKDLQYIR LINGTIVGALA
GLAIYAISHI LFGA

> RXA01322 (1-438, translated) 146 residues
MKLAPRMRMR SPKTFAALAS LALVIGLGQV PIAQAQTEYR TASDGSLNWG FRQSFRNYIQ
TGVAKGSITL GDGASDNGGN FAFTPRNTGT TVTSDSQGTV EFNGSVHFLG HQAEDKWILD
TTMSDIKMFV NGSSAQLVVD LVAREF

> RXA01326 (1-294, translated) 98 residues

LRERLLQNGG GEVIDNENND WILHPVRDDS DRKRLVRTAN DIIRETESAR EWDNFPENAI
AIANDGTGDL IILLPDDDAF YIWSHEDEPL IETELEDA

> RXA01330 (1-456, translated) 152 residues
MWKDLTEPLP EACAEGLEIR VVKSPPELAD YAAVLSANWN PPAETVQRFY TEAAEYALRK
NSPALYLVGY AGNRAVCSAE AFIHASVVGI YNISTLEHKK RRGYGGAITL ATLHTARNAG
CDTAVLQASE DGEVYRKLK FTDCGRFTEY SL

> RXA01331 (1-576, translated) 192 residues
MNIMGDPADG NGWMYAYNGL HSHVARHYAWP AAGEGSATAM LFWWPQLLGV GTDENPDQVN
DVDQAARDLN VGYFMISPWT FWDFQIPNFR QIDLLWQTPG VTPVCKKGDS VIFAVNDMFT
DAELDQMRAP GNSPEPLPEL PTLGELGLAE TEDEVDTQYY HRPTVPAGVN SEMPSAETLY
APDPTKPHTV PN

> RXA01333 (1-1005, translated) 335 residues
MPGGCSGNIV RMLPKSRIFS AILLGIGVAL VVWGLVAPRF VHADGRLPLD LEATTYVLHD
SDAQTINSND PLAGVVTPV TRQLHFEVMD PASADDATIR IGDSMLRGNP DTQGFQERL
LSATVSSFRI DRTSGEVLSD IALTNQLASP TVQYSVDGIW LKEPTDAQET TYNVVDPVLR
SALPADFVES TEIDGREVLH YRQVIDNVN AEYFADANNT TTLTKEDGCT TTGYFYHNVT
RDFWVDQRTG LVVDLAENID DFYGDERSGQK XEQKLLFDAS LDDAAVSKLV AQAESIPDGD
VSKIANTVGI VIGAVLALVG LAGCFGAFGK KRREA

> RXA01336 (1-603, translated) 201 residues
MEPTVKAŠAR HTIHVTADTW RIRLSASAHS HPNDAYARRA TAISAIGSVL IDVPLQGERI
SESTAYDQOI NADWNAEVTG TDVNIARDII SRLAAPDVQ VDGPLWSLSD SLAAEAÁVEA
LQGAADTARN TATAIAESLG GOLGALLYAT TDTHSSTPIA ARAEMMAKA SIPPTLDLE
LAPSDIEVTK EIAVTFEEFLA G

> RXA01337 (1-1413, translated) 471 residues
VTFRGGNTGA KHAVVVGSGP NGLTTAAVLA KAGWQVDVYE AAPTGGGAAR SESVLGEGTI
SDLGAAGHPF GVASPAFHYL GLEDHGLEWA YSPFAMAHPL DYGRAGLLET SLPETAKKLG
PDARRWKNLH QGLTKNIDKH LANLLGPVLK WPAHPIRMAK FGP FALLPAK RLASAAFE
EARSFIGSA MHSVTPPHKP MTASLGLLFG ALGMSRGWPV AVGGSGRIVD ALNVVINHHG
GTIHCDSDID SLSQFRDTDA IILNQTSPQV LKLKGTDLNA GLPQRMSTWK HGPSSYKVDY
LLEDEPIWSN PQVGQATTWH VGGSSSEIAF AEAÉVÁAGRM PERPFIILCO QOVADPSRAR
EGRHVWWAYA HVPRGFVDKR AALLITAQIE RFAPGFRDRI VHSVDTNAED LEAWNPNLVG
GDITAGSALL RRMPTKIGEK TYMASASNAP GGGVHGMPGW WAAQAVLADH R

> RXA01342 (1-1512, translated) 504 residues
METPTQDMDV RWLYTQSQLK LREILPTNKT FVDIQISELV DPTDFIRPNS VVLSVGIAFA
ETPDGLRDWA HRLADAGVIA IGFGSGLTFP QVPQALIDAS LHLGLGLFEV PREIPFISIT
SSVRDEQTRR AGRLLQELL EQERLNSIAI SGGIEALCRA AADYLGGAVT IVDS DGRVAC
SITDDLDAL PQAVSRLNGS SQALTDATNF GFIRHMTTRYG DRHHVLSVLM PTRPTDQHRA
LIRHCAGLAD ILLQRPAMR DREIEVRSIA MSLLLGRSDD LATIHRVFAD ITDASGNIRP
ILITGNTPOS VRKALSSVAT ALYKQERALA HLRLAESTEL LFLRGSRSVH NIVQLFGTAA
SGVRLCIGLP TRAENIDKKL IREL TATAKT LQLGTHAEPR DGTLLWLQNP ELRKILKIRS
RDYDRLLDH DRTNNTLAP TLVSFTQHSQ HIGDTAKELG IHRHTVTRM IRIEICEID
LNDPLTRAE LLVIATKEGD VEKQ

> RXA01348 (1-492, translated) 164 residues
VGFVWGSDDS QIYPELRKME AEELLVGS DV PWGSKGATKT EYALSEKGE ALRKAWYEPV
TYGPTRDPAR LKAAYFEVGT NGDARRHLRA HIAHFEQQKI QSESMIDELK AKTHPTLARR
LERSPKKEHE RIVAFKVLAY EGQIARAQAE IEWAEGGLKL LDTL

> RXA01349 (1-777, translated) 259 residues
MATSRRDAEN IDQAGSEFIE SDSGHATPE EVVATALTFE AEDGFSETKL EKIAKASGMS
KRMIHYHFGD KKGLYIKAVS YALRLLRPEA EAMQLDSAVP VDGVRKIVEA LYTCITKHPE
AVRLLLMENL HSQDSVDSTA AYSDES NVLL NLDKLLMLGQ DAGAFRPGIS AEDVLVLIS
LAYFRVSNKV TLKNLYSLDL ESEANIEGMK RIVVDTVLAF LTSNIQNSGN SSYL VVGK
AEPETDDSVY SFDTDVFEN

> RXA01357 (1-303, translated) 101 residues
MSAEELDNYE AEVELSLYRE YRDVVSQFSY VVETERRFYL ANAVQLIPHN SGNDVYYEVR
MSDAWVWDMY RSARFVRYVR VITYKDVNIE ELDKPDIIIMP E

> RXA01359 (1-1182, translated) 394 residues
MIDSRLAWA YLSKVVEGPN AHLQKLLKEG HDVERIAFGI KHREEWIGEG LLKNTDSRYS
IDTAQTDLET IAKLGGRIT PEDDEWPMEE LDHAFGFAAS GMSDHVRTYQ DDALPPHALW
IRGGNLRITLS AQSVTLVGTR AISQYGTEVT REFTQNLVSH QWTIISGGAL GVDSVAHSEA
VRAQGSTIAI AACGLDRSYP SHNRDLFNQI AKSGKGALVS EYPPGTPPQR HRFLTRNRLV
AALSQGTVVV EAAWRSGALN TLSWCAGLGR IAMAVPGPVN TAGSLGCHER IRNGSAQMVT
SADDVRSLLG AVGAMDSQTQ YELNFAATPV QGLTRNELRV FDALDDRGE G REAASIATEA
GLTLQLTIFL LIALNKRIGV KRDGTAWSRN AEMP

> RXA01362 (1-1395, translated) 465 residues
INELILFDVH DLVKYGVHVV GAPQESINFL SAASLYHPQT VLDSFDHDGS GNLPLGKDDN
GNWDRRPHKD RIQLVNADTL TVWKSILEDE QTPYLDTRMV YTVNTEAAAA LEKLASAPRI
KELGLQFSSG WNETTDKKG YFDVGWGYPA SWSDAILQGP HLG VATPMIK QPNPTMKHNQ
DWSEIDFEAI PANFIPATAY QPDRQTKPTY DADYGTWTFG DKQVPVADTF RIAWREMAAT
TGFRTVYPSV IPPGANHVHT VNSAASRSNL KTLVGAQLG AILSDYFARS SGSSHIFNDI
VRKIPLPNT SLEKQFARTY LRLNCLTSAY APLWEEITGE PWDVQVPLRN AEQRRAAQND
IDAMVALSLG ISADELCMIY RTQFPVMRRY DQEDHFDANG RKVPKEIIKL QQKLKDGQEL
SVEKRTWVHP QSEVSYTFEY PFRVLDREAD LRAAYAKFEN QLKEP

> RXA01364 (1-1866, translated) 622 residues
TGTHLYDSLQ LLFTLVDKGH HPTDAKAVAF DAEAGEEGLH FRNLSADLFL PAATELIDRV
GLSNEALNKV LENLLLSRVQ SGKDRGFISY ATLGVTLELQ VYEGLMSTYTG FIAQEDLFEV
APHGKADKGS WMLPVSKADE VPADSFIEVD QEAPGGGVIK VRKRHPRGSF VFRQSSRDRE
RSASFYTPQV LTSFTVTQAI EELQASKRIT TANDVLSLTI CEPAMGSGAF AVEAVRQLAE
LYLELRQEEL EQQIPAEADRA KELQKVKAHI ALHQVYGVDL NSTAVELAEI SLWLDTMNAE
MDAPWYGLHL RNGNSLVGAT RSLYAPSLN KKAWLTATPT RYRLDDIAQA IDENKAEPLF
NHGIIHFLLP STGWGATADA KDLKDLMAE IKELKSWRTS IRASLSKTQI KQLNNLALRV
ETLWRFVLMR IRIAESQISR STTLWGQEP EVSEVVTREQ IEQDLFGNID GAYNRLRLVM
DAWCALWFWP LDAVATAEHP ERPALPDLDE WLATLLEILG IDLPLKSKNE NQIVLGPDTN
WLAINDAEAT DLGFGSGLSF ERVSANHPWI NVARQVAKQQ SFFHWDLDFA HVFAKGGFDL
QVGNNPPWVRP DVNFEDLLAE HD

> RXA01366 (1-390, translated) 130 residues
VSQFRRCRSP GCGKPAVATL TYAYS DSTAV VGPLAPAAEP HSWDLCEHHA ERITAPLGWE
MLRVNDIKVD DDEDLTALAQ AVREAGRTVS GLVPEDEVGG NHPVNRSARI AEQKVHRRGH
LYVVPDQDES

> RXA01367 (1-402, translated) 134 residues
MPVEVPRHAS RRQAFDRAVL EAYSPLYGIY QKELSNLDIA VDTVPRMRLS ADLAILPDEI
TADGPVPLGR VIPPAIDTKG NPTRARIVIF RMPIEQRTVN AVERHELLTH VLTSLVANYL
NIDPRDIDPG FQDL

> RXA01370 (1-351, translated) 117 residues
MGAWDDAILT EEVNVDFLDE ISELDTQDIL EALEDACLLV VNQDNATEDE HNGQAATI
AAIMFGAPYS AGQVLENYPF IRELVGEGSE ALRGAAAQVL EEADVEYDLE AYLEALN

> RXA01372 (1-591, translated) 197 residues
QDTFVLPTLP TAAGLSPARI VASISTLLDL LEADPSIISD RLEHLADCID EEVESLSPER
DELVNPGRL RAYVDHARIV HTGRDVGLA IANVIPIWT RRGVLSAVLD FPELMESLPE
LRGPEPITDD IFHDPFIDDE PGVVPFRAV WAEIEPGIPD AMAQSCDGPS KGALTQALRL
LVRGQSATTY SIEEKDL

> RXA01378 (1-1278, translated) 426 residues
HVWISPGASN PIKDRLEFPWT LVKAFLSSPA ALGETVSNRL KKASAPEEKR ALETLSQLNS
AITPQTSQKY QSLLSYLGDI GVKKNSDTRV VIFSERVATL HWLQENLIRD LKMPNSIAV
MHGGLPDQEQ MRLVDEFKKT DSPIRIMITG DVASEGVNLH TLCHNLVHYD IPWSLIRIQQ
RNGRIDRYGQ THNPSIVTFL LDPAEDSKVG EVHVLRLME REHEAHSLLG DAASLMGKHS

ERLEEETIRE VLRGAQNFND AVADPAEVLE NPAGLDDIDW LLAQIAQADA KAETEAEAEET
ENQTAPDAAS NSTQHAQRRL YAQESSFLYD CLLEGFNVP EDSINRGGVG FKKHDNDIVE
LTPTDDLRRR LDFLPQDYVA ARKVKEDLLL ASTLMRGQER LNAARTGEDG STWPSAHYLG
PLHPVT

> RXA01379 (1-921, translated) 307 residues

LNVEEWISDH YLTNDDAKGA SFSKRVREI KEWKTTEDAT QQSGPLTRFS SNRLQLQHAL
SELDDATTAA SLVASALGYG VPSARHAQRG SDTISYSSWV GNAGSVEFLA ATPAESFEEN
FRSLPLEPVA VNDKPQDITA AKLVGQIFLS DTPPAFVVIT AGKWVLAER ETWPLGRHLA
IDISLVVERN DTKAQGEMQQ TVVALARENT ERAADGTTWW EETIEQSREH AVKVSSELRS
AVRESIEILG NDVLTRYEAK ELSTAEIDGG ELAKQSLRYL YRILFLLFAE ASPELEILPT
GTPEYDE

> RXA01380 (1-2016, translated) 672 residues

SLILGCDTKA RLEDLYLPFK KRRKTKADIA REAGLEGLVD KLIDAPSLDA AAQAAAFSTE
GFEDSKKVLG GARAILIDRF ALDADLVGEV REQMYRAGSM AASVVAGKEQ EGAKFKDYFE
FSEPFDKLPS HRILALLRGE NEGVLSLND AGDDIIYEGE IADRFSLDTH TSSWLAEAVR
WGWRTKLYVS SGLDVRMRK EKAEEGALDV FATNLRDVLL AAPAGQRSTI GLDPGFRNGV
KVAVVDSTGK DVATTIVYPH QPQNRWKEAV SELANLCATH GVELMAING TASRETEKLA
GEVADMIKAA GGT RTPPVV SESGASVYSA SPIAAEEFPD MDVSLRGAVS IARRLQDPLA
ELVKIEPKAI GVGQYQHDVN QVALAKTLDG VVEDAVNAV VNLNTASAPL LTRVAGVTST
LANNIVAYRN ENGGFSSRKE LNKVPRLGPK AFEQCAGFLR ISGSTDPLDA SAVHPEAYPV
VRNIAKATGL DVSGLIGNSA VLTCLKPADF ADERFGIPTV TDIIAELDKP GRDPRPEFKT
ASFKEGVEKI SDLTGPMILE GTVTNVAAG AFVDVGVHRD GLVHVSAMSD KFISSNPHEV
RSGEVVKVKV MEVDVDRKRI GLSLRLTDEP GAPAPQKRG RPAKQQRAPQ QSAKPATGS
MADALRRAGL GG

> RXA01383 (1-1143, translated) 381 residues

MNLHSLEIRQ ISSGTISERK TWIFPTAARS FNQNLVHPQS IEIDAQTGVI LAMENRLQRT
EVESVEYPTD LPNPAWTGPA ISWPLKDPSI DFPDPLPHSI SELPPQSDNP RHLRVSISLD
AVEGAFPRYR IGDSIRIPLV FARDTPFMSG LETTRRAWIE AATEMDIHNT WPIILTDGOW
TALSHSDKPI RHEAELKGF FHSFSGSEMP LTDLKIERIY GGLGTFDSGA TRWQELTD
DAYTENGSWL LEVIVDATLD GAIPPLQPQ QFEASITHIV DEQLWVLGQM LPVLRCDWLE
TGKYLQGTIV PISVSHSSRL QFSEGLIHDY ENAWSLNPGV RMLAEPQWPI EPVIELDVPA
PWELQESFPD GLYFLTDGKQ T

> RXA01384 (1-1716, translated) 572 residues

MRSLSQVLDL LTSKSKVATK IVVERIEKHP VHGLGMMYP PFHPWTDAST LTIERNGTSR
RASQNGVAVL HQHEQVQTIG LASYFIDSKI WVNELAGLDR INISESEVAG RDVLVLPLSD
LTLSIDAKYG VVLAEDSDE SVRAVSVEFL DQWVDEEPP AEEVPKYTET REELPPLEIP
PAPSGNRNLR VLCTWGAMEG IPEWKPGDQ VSLFLSFDLD DPPFEQLKTT RRGYTEPGEI
YGNQRSYKFH ADGWNAVIS A KVPLRTEENL TGYFTSSYA DTSRRTSAVI TAVYRHGKDA
IIDVTLDGAK PPRYQESLDW SSTSTCDGET IWLSDKSLPF VRGFNVSTGK LVHEISIPTF
NEIALESGRN ARAAKKLWEL PDLKEATDPV PAIPAGWKLH KRFGKNFHIV SADNGTWKQT
ILRIKPFKAI ELDLGYAKIS TIYQYGERIY LRSDLHQITF NQDLEILSVE VHGNPDAGYW
PLSDLPPGDS PTLGFPISL MMFHEQQDIY AFHDPKTTKQ LTTVNLPKRQ FEVEYASQNR
IVISLKNPES RLIDKLLVWE PQTRWREQNL ES

> RXA01390 (1-657, translated) 219 residues

MFRRSLPSNK TSSASSASSA DTSYSVRLGR PEEPGYQPEP SYSEPYTDSD FAPAGAAAAA
AAVAPPMIAE QPQIVEDARR GTLDGFLLI RAVIGVYLIV RGVFTFFTLG GSAGLAGLEA
EFAGYQWPEI LAILLPSIEL AAGVFLLLGL MTPVAAAVAT VATSFTTLHQ VNTHEGGWGE
LSEPLMLALI LTIVVVGLQF TGPCKISLDS GRGWQSVHW

> RXA01391 (1-690, translated) 230 residues

VAAVAFAYV IDGGVEEASG TPTSSSESSA ATAPAAASSET AAERYAMLAS LDVKGRAPGT
GYDRELFPGA WTDTVSVEYG HNGCDTRNDI LQRDLDDIQL REGTKDCIVT SGLLSDPFSG
ELIDFVRGER SGDVIQIDHLV PLHDAWVKG QQWDEQTRKN FANDPDNLLA VKGTLNQKQK
AGDAATWLPP NTAFRCDYAK KIITVKDRYN VVWTEAEASA LERQLDTCAA

> RXA01396 (1-258, translated) 86 residues

LKAFNTNFAA TLATGKVGDI TTTVLVAGDD EDAKNALITD VNAGGLDALD AGSLKRAHEL
EAVGFLQLTL AGSEKIGWTG GFGLVK

> RXA01397 (1-420, translated) 140 residues
VFMIKELLNK LFGNKKASPA MTQSETISHK ENNTMTTYTI FGRGNMGTAI AGVLTKGGAT
VEHIGSADSD IATINGDVVI LAVPYPAVES IIASHKDALA GKTVIDITNP LNFETFDLSLV
VPVGSSATAE IQAQLQPPAF

> RXA01400 (1-1500, translated) 500 residues
MAISVSMPKA ISREELERAW LEVIERHGTL RTVFSTGMGG EVQQHRIDVG PGKWIDHAVA
PGESINEALR AVLNRQCSPY SRPSHSLCII DAHPRPVTII GSDHSHVDMW SMLVIVRDLL
AALDMELPVE PPLAFESHTA ELLAAPPAPPE RIHQRWREIL EAGGGKMPQF PLPLGDAISM
PERVEVRDIF GVNGLAIIYA RARAQQVSSL ALTISVMADV TAALADLPLR AVFPVHSRFD
QRWHDSVGWF ISNSVIEVPD SDPHTAAQAV REAVSLGSYP LAELLEPWGG MPETPGMFAI
SWLDLRLRPV SIDDIGLQAO YVSASLRTDG VMLWFILDRS GAHLRCRYPD SLVARENVGR
WIDAIVAQMR AEAGTVNLQA GGEQLTLRHG TRADISEIAP LLARNAADPC ELVDLEHALD
LLTHESSHFL AVVRNARGKI IAAMQLTIVP EFSRGGALHL HIEGPFIIPE YRTDLDKKL
RAWAVEHGRA RGVKVEEVVG

> RXA01401 (1-261, translated) 87 residues
MNSPLQHSFA PPGAQLSTS YSDEHGQAVI QLHGLTSSRQ RDRLDLDLG RGLSGTRLLR
YDARGHGTST GRAASTDYQW DTLAGDL

> RXA01402 (1-474, translated) 158 residues
MGCATLLKAA VLNPDREFSGF TMLPPTAWE SRKAQASEYL SRAEFLETHG MDAFLNAEKL
HAQPPATVGT PDTVPDISAE LLPWAYRGAA QSDLPSKKEI AKITAPTTIL SWTDDPGHPV
STAIELTRLM PNAQLRIATT PAEVARWQPQ LRDDLQLD

> RXA01403 (1-414, translated) 138 residues
PITYIDGHPY VDGAVGETGG LMLQPAIDAG FTRFFVIASR PRDYWRKEIG RPFIFIKAALR
RFPTIADLTI ARPALYNSVK QQILDLEKQG SAYVFFADNM NIQNTINLK KLRASFDAGM
QQTRKDWPFI MSFLNQTR

> RXA01405 (1-456, translated) 152 residues
MSKIVDLRYG TRRSSELSKR SAEVFAEAE HPITVTRRDG EALVLMSQRE ADGRARLLEL
AAQLITVATD HQGTLAERMA KVFPWMLALS VADREACARE ILDAARASFA TEQPHLALTE
LTSWKETAAA VAAGLSNTDL QWYDDPHLVE RP

> RXA01409 (1-816, translated) 272 residues
DFPDVTARLG YEYMLTPHV DFGPFFRHPK ADDDLVAALK KRAKDAGVTI PALLPVQRIS
WPEETQRVAA VRNIKRIIQL AVDLVDLTN TEFSGRPERS EDEDAFYRS MEELLPILEK
EGIKFNIDPH PDDEFVENGIE AWRVIRGLNS KQVGFVYVAP HSFHMGDQAE AILPAVGDR
GAVYLSDTFD HHKSHGLRYI TNPPGNAVVRV HQHLKIGDGD VNFEEIFSLL RSTGYLDRED
ALLVSNVFAE DEAADEVSRV QLEKIRSLIE NA

> RXA01413 (1-600, translated) 200 residues
LTHLFLELDE RLVLGVQQDG YQWTEHLFRL PLQHLRNSPN DLQGLKIRWC ELYSTTGKDQ
GVELLPQATV VTPNNFEAST LSGLEKLETV EDLKEAARLI YEQGPQYVVV KGMDFPGEN
AVDVLFDGSS YHVFSEPKIG EERVSGAVCT FAAVITAEAL KGAEVVDPVA TAKRVVTRAV
QDAVASNAPF TSVWLAEDNK

> RXA01414 (1-507, translated) 169 residues
MAVFDFPNPV NEYAARCTAG LVVLLSAATL FASGDLRIIL ASILTFGFAL RVAGGPRYSP
FGRLSVHVLV PLLKKAPILT PGPPKRFAQT IGLGFSGTSL ILMAFGFNVA ASVVLVMLIA
AATLESVFGI CLGCWGFGL MRYGVIPEDV CEQCFQKES RTGWLVSLL

> RXA01417 (1-597, translated) 199 residues
MTDKFDRVLA VEVCIQEWID EQNLTLLEVPL MIARLQLRDV AKDITAVHEE KFYDLTDIDT
DAFVKNIKLG WNERLIKSL FPQPDVHKQH FTETEHGIDA TVTVWSKGF PESGPDFLVS
YVDGLWSADI RNRITKFQNR EIVSKFYFTP EHIKEDGDFS AEIFINRPEN DDDSQDLVEV
WTDQDTRYCG EMIIYFKWL

> RXA01421 (1-387, translated) 129 residues
MTSKSISGKR PNLPSLTGAR WLAALAVYFL HALVFLSVYP FQOSELFATI HKFVPMQLGS
AGVTFFFILS GFLIYWSNSQ LKGMKNVLYY CKRRITKIYP MHLIALPMFI EASAKFTTTG
ITWVLILRE

> RXA01422 (1-783, translated) 261 residues
EGDSHTSGTN APFRTDERGC LKGANWADQ LQSQLGLGAG DLIDVSCSGA SINSDFHFS
DEVRAHEARG AIGPNTTDF VQLGKNDQWG LSNVNLLQSV QTCLTDVFAG CGDAAVAAGK
MQDPNAVTAE NYAERMKPIV DYLYKYAPNA EITLVGYQEY TARSGSQVCV RLGGTPLVKN
DAPALVSFMN KLDMAIDGAA GILGVSHVDL RSATEGHDSC SNDPWVNGVF DARAEIVGGP
WHPSVKGDSV TAGILRDRVN A

> RXA01425 (1-885, translated) 295 residues
VLSPDSGITW ALSIMFLTFT VRMLVVKPMV NTMRSQRKMQ DMAPKMQAIR EKYKNDQQKM
MEETRKLQKE VGVNPIAGCL PMLVQIPVFL GLFHVLRFSN RTGSGVGQLE MTVEQNANTP
NYIFGVDEVQ SFLRADLFGA PLSSYITMPA DAFDAFLGLD VSRLNIALVA APMILIIVVA
THMNARLSVN RQEARKAAGK QQAASSDQMA MQMQMMNKMM LWFMPATILF TGFIIWTIGLL
VYMSNNVWT FFQORYIFAK MDAEEAAEEE EKRAAKRTTA PKPGVKPENP KKRKK

> RXA01429 (1-618, translated) 206 residues
MLQASLFFIV QEHIDFLHPQ ARKSVFWELA PEVAAKADPV FEKEAWLSTT LLEYESCGFN
IGYRNGTPAL ASVIFCERDA APGAKALPTA PVSSDAAIIS SLFIDEVFRG TGMESALLDA
SLMELIRRDY PAVEAFGYRS ENTEADAIAA RRLEIGLIDV EALESAGFEV VADHPVLPRL
RMELPPATVL LTAKDAQRL QEMGAI

> RXA01434 (1-366, translated) 122 residues
VTDGNTSTAW TSTGGDGLLV DLSTPARLDR VILTTGTGSD SNVTSTVKIY AFNDASPHSL
SEGIEIGTVD YSGRSLSHSI RDSSKLPGQV ESVVILVDEV RSSQTSNTNP QMQIAEVQLV
GW

> RXA01439 (1-546, translated) 182 residues
MTRYFAVSNL QELGSLEVHK LYKLVRDIFV HEQQTPTYAEI DDTDAAPTNN HILVWERADA
TPTNLIGCAR LAPITAAELK AYTGGKISLD DATPLSQLGR VAVAQEGRGs GLSGELMRNA
LRLAYEQYPD RDVVLTAQKP LVDFYAEYGF EVLGEEYLDs GVPPLPMLLK ADELERFSDL
DA

> RXA01440 (1-1008, translated) 336 residues
MKTKWLAIIP FVALAVVACS DTQPPVTETV TETAPQPTSE TAAQPPQPTT PAETTTQQA
GINLTPRYTR QNVGHFSSGY QPGQVSFSSA DGTIKCEFRP MEQDAPINRE PSTDWRLSFV
QGACQFDDGY VVADTNVENR PGFAEYTTAI SHVMPENYTT LPPGTIIDLH TMACFTESAD
EISCIKYATN ETFRISAQGF EMLSNAQRDA ELTTQGGLYQ AFSNIAELRF SDGNAMSCFF
DAPGSQDFWC QTLSTPGWDD GSNLIHLTVT GGKLSLMGTQ VGNPGLDYFR GRQLIEAPNS
LLDASLSVTL DGDRVRFRTA TGEEMWVSSS DYGLGV

> RXA01441 (1-1029, translated) 343 residues
MARTTTAHAV LMALSSVGLL MLQACSESEQ TPEQTPAPTL TSQAPETPQA STTSSASSTA
TPIATPIAAT ELDYLHIDPA TYDIGVQDQE TAVFTTGDGI TAQCFFEATP GETSYQIKEF
DFDETAGTCA FGDQHISVTT DENVRERFAE LSETEEELPE AQATLDVGEM VHLGHMGCWA
PSVSEFSCLD FASNQAFTMN EQGFHELDPA KATEQLINSS GQVQTLKMT NFQFTDGTISI
TCVSELQAEF FLCHNSGPGG WSTSAGPANT LWWNLNQADS EFEGARPTNP TQSVYKSQOI
FGPGSYLLAN GVSAEFDGTT LTLTPQGNQ YWANTHDFGA GTH

> RXA01445 (1-993, translated) 331 residues
MIPLINVRFP VAALPLALVA TVWLNADWDH LLLTGFIYVL AVEYATSRGR FALALILGVE
WILIAYGVAL ERPLEAKDSP SLITEILLIL VAAGTGAGRW KILSERKQRA ITQOEIIKKI
RTDIAHYLHD SMARSLAIMI VQSKLTELEP DPKKIQEKLN SIAKIGQEA ADLHQLVRHL
VVEESA EKAT AFGAWAAVSI HDTVNSAIQL LVDAGHVVSF DSRKKNYKLD HIAETAFA
FNEAVCNAIK HSPPKANVTI RITEKAQSLQ ILVMNPIGDW HANGESAIPG VGIGVESLTR
RIRNIKGQVC VTSLQGYWKV VISLPLKCED S

> RXA01447 (1-849, translated) 283 residues
 MRLLVLRCD A PHINEFPALS TSVEIHDLPA VPTRKDLKIL DDVAFDVLPQ DPTPSLDEIA
 KQPDVEHLSS PKFAPQQPET RLRIVVIGSD AALSAVLTRL MRADNLWAEI GFVPVGPSTA
 AKNWGLPADE AAALELALTG LVNPAPLIRD DVAVAVAGSA TITNWEPGEI TGEVIVDDHV
 LIRHEAASKA PRRGVYGARL VPMLDAPGIA AVIMDTPLPG EVPSRSLFPR PSGSVIPESF
 STGRAMQAGG PSLQIRVDGI SRKRKVERVT FYRHLRDLQI VRP

> RXA01448 (1-780, translated) 260 residues
 MAIGGILIAT MFPPGDGGS I DRMIDAFIGG GVGILVIALL PSSPLDAGR H QVANVLGIAA
 SVLEDVAASL KAKDAAKLNN ALEALRRSQA SVNKLETAAS SGKEATTVSP FLWGDRARVR
 SLYRILAPVD NVIRNARVLA RRAVVLTEDN DTVSDEQIHV IEEIADIALR LSDLYEHHKE
 ISEALEIPEL VNRLRQLGSE VGEDIAEDRV LSAQVILAQS RSIIVDLLQI CGMSRESAVA
 VLVPTSESPA YPPELWDDDED

> RXA01452 (1-279, translated) 93 residues
 VIRSFADRTD ELVWLREGAK RVDPRIHKVA NRKLHLLDAA TTLDALRVTP GNRLETLEGD
 RVGQYSIRVN DQWRICFRWN DSGPENVEIV DYH

> RXA01456 (1-522, translated) 174 residues
 MNDSIFSPQA LNKAMLEAVE FIHAEGWDAG PTLFALVPTE MLVDTLDEAA DDSPLTLVVQ
 DNLPDNLPG SEALGDYVSR LAWPAEIA GA VLAQEIMFTD AAVAGSEPRP ARLFSGVLRG
 EAELTLLQLR PTEEELAERG PFAEDEIELR GGPGVAPGVI AALRYTLEAD PDEI

> RXA01457 (1-675, translated) 225 residues
 VASTPHKHVR VALGLVALIP LLAECTGGGS TETSTESTAE TTPATTTEAT TTPATTASSS
 VIETTESSTA ETSTKESGET STSKPRMTKD VEVAYKAFSS LAPVELFEQF ETCDPGVED
 SFACNGPEVG QFQFFDNASK ATSTTQLLTE LRSSRVVEDS GSKVVGWTTI GTMSIITVVD
 NDQGLVLQOM VSSDKIDPEE RIYELGLSTP KDTEESSEET SASKN

> RXA01459 (1-810, translated) 270 residues
 MNSNGFGFSF GNNDDDDDKN RNNDPFGLFG GNFGFGGQGG AGGPGGLGDI LNQFGQMLSG
 MGDSMNSPEA AGPVNYDLAA RIARQQIGRV APVKDSEKEA VEESLRLAEL WLDNATQLPT
 SGHRVEAWNP ENWLENTLPV WKRLVSPVAE QMNKAQLENL PEEAREMMGP MSSLMNSMSS
 MNFGVQLGNA LGDLAKQTLT GSDFGLPISP VGVS AVLPGN IAEASKGLNV APQEMLVYIC
 AREAANASS STCRGLSSAS FPPLRNTPSA

> RXA01460 (1-294, translated) 98 residues
 VPWLVERLVS SVEEYAVGLE IDTSHIQEAM GNFMQDNPD P ERLQEMMNEL QGMDLSPRIG
 SRNANAVSRL ETLLALVEGW VDIVVTQALS ERIPSPTP

> RXA01463 (1-1164, translated) 388 residues
 MEMSYFSHQD PNNPESHINF TMAQMEIQRW TLLISNPEAD ASTLVMELKT VTGESKHFIN
 QAINAMWALM KLPILRVVVE THFHVRIPYL ARIMQAVKQA KPELWDEL DH RIAEKLTPRI
 AGQALMEASA LAGLITRWIK ELDPTFTGKK RGPKGS DGT L TFRHVDGR TY ISGNIDGVTG
 KLFQKALEKV KQKGEDLARA LVTFLAGRTK VKIVSAVYTP LVGGVSWIPG VGFLSQEESR
 KLKGTASKVI DLDTIATRVE NGYTPSPELR LYVMGRDGT C RHPGCTVSAD NCQIDHVI PF
 GEGGLTVAWN LQCLCAHHHN MKTDGRIQAA IDSMGRVAWI GPCNRTVVTE PVGPLAQEMP
 TGQWGQTLEA RMEKTFEKL R SSLEVLDD

> RXA01469 (1-1032, translated) 344 residues
 MAFADIVRSV ENRTNAATLN WSIKNGWKPE VTGFSGYGSG RRVRLARVL MSNPENLLVD
 APSQSITQQA QRGWRQFFTI QVPNLPVTVT VGGKTVTSST NDNGYVDLLV EDHNLDPGWH
 TIQIQAEGST PAEARVLIVE NTARIGLISD IDDTIMVTWL PRALLAAWNS WVLHTNTRKP
 VPGMNRFYEE LLKDHPDAPV FYLSTGAWNT FETLQEFINK HALPDGPMLL TDWGPTPTGL
 FRSGQEHHKV QLRNLFIEYP DMKWILVGD D QQHDPLIYGE AVEEHPNRIA GVAIRELSPG
 EHVLSHGTTA SLSTITTNGG QGVVPHGRD GYELLQRYET KPFA

> RXA01470 (1-426, translated) 142 residues
 MTNNALT VPT RTRHQADLLT ADFWEDMGLP QLKT TIEESI DDVALPMHTA VLEISGMPKE
 LRQTVESAMV VCIPSPSELS GSNRDPLTAR WFTAWRRDPF ELGLTECREV ITGTPRELDK
 LRGVLES LAD EYRFEVELRI VD

> RXA01471 (1-807, translated) 269 residues
 MQSFKTLESW PVDNVSASVI SDGAVHFYGD VDRVFELMSV TKLLATYGFL VAIEEGVFEL
 DSPMGPEGST VRHLLSHASG VAFDKPVAEK GVGERRIYSS AGMDILADAV AAEAEMPFAE
 YLREAVFEPL GMENSELWGS AGHEARSTVA DLTKFGQELT APTLISPETL AEAQVQVFE
 LIGTVPGYGM QKPCPWGLGF EIKGQKSPHW TGDLMPPENTA GHFGQSGTFF WTVPGSGQVG
 VVLTDRNFGP WAKPLWTAFN DEVWAEELS

> RXA01472 (1-456, translated) 152 residues
 MNQANLPAEI ADLSDETALW EIINEYNWDD GFAVPLAVVR HPKCDRALAL RLFWDIDETA
 QIHHSDEESA IAELYASTAE NDPAEFDRIM DYCTTLVEGL RKQTYPRGAN RFDTGFFNLE
 DPSLTDQRK IRAGKTKFAL KNFEEAFLQP EL

> RXA01473 (1-765, translated) 255 residues
 MTDIGDVDQI VWEFIHFHDD SINPFFEFIK SDCINDEAIE RKTQILGIIL GNEPCGSVIH
 ARQNTIKPMS HTVSFGDGWI QVLEDAETV SITDTLDALR FSPEQAEWAA EFGPLLCPGA
 NQPPAYLTAL DGHTKLPLSP QLTEFYSYAR SWTNSEALGN VIDPDDYLDH LTDPRHLQD
 LLDNEFERVG VLVDKQNRPL DPARCALFSL DALARAPYNR AYFVFAAPEP EIWAFENEHV
 HAPDLRAYLQ ARLST

> RXA01474 (1-546, translated) 182 residues
 LVGIAYARFP DTRDDISISRG KARSALEKST GLKERFARHF PAISIPVDTG DAADILVSGW
 WLSGSKKKIL TAAEIQTLEFI NRLATGPLST QLETATGLKL QVVTNRERMK ITLIEPKGTS
 GHAI DPQAGK GSRGGFLLDN GQEDDYDDVD TVTIPDALNV IGYILTHGTP PQEGWKVDVL
 ER

> RXA01475 (1-426, translated) 142 residues
 MSIQGFSAGD YSACFEPRID AWVDIRGPRK PEWLAENIDN PLRHWGDNPH IPVSAACKAG
 NIYKETLRMT RASTKTPDQD PLKETLRSFI ASINQLAAKK NFIDAGVRED IVVALEKLCE
 AAEASPEEIQ QAIVMGEEFI ED

> RXA01476 (1-342, translated) 114 residues
 MSDSPCTVVI LNRTATATSI LRDIKALTGY GLSEIRSRIV AGLPVVIEEM FSNAWYDERA
 QLLALLTKW QNEGITFEIR EVAEDDPIEA GALISLEVL NIIEPDDNES RDGI

> RXA01479 (1-228, translated) 76 residues
 VIGAAAGYVL GTKAGRKYH QIKKGYEAAI NSPATKSAVN AARKAIANKL DPQPRMKEVK
 NLRTADGHEV LEQDQD

> RXA01484 (1-546, translated) 182 residues
 VLGTAYQYDGV PSRQFAARLR HAAKLWRLHE IQHVVYTVGGK LPGDRFTEAE VAREYLIKEG
 VDPDLIFVSA VGNDTVSSYE ALDPEKLRV LIVTDPNHSY RAVRIARRMG FDAKPSPTTY
 SPAKFPSIVY FLTLSHEWGG VVVQDVSRLG GERVPDKVKH LCAQSKVCCA LRGVHAMSNE
 GG

> RXA01485 (1-2052, translated) 684 residues
 MNFSLVHLRE NVRRVSVTV AIGAGALLISG PFFTAHTAEA TETYVLAESP EFYQDNVTDY
 TGQISSSDIT NIQAAIDDVK ASEQKVIFVV FLSSFDGVDV ETWTQQALQA NGGNGVLIYA
 LAPEERQYGI QGGTQWTDALDAANNAAFQ ALSQEDWAGS ALALAESVGS SSSSSSGSSS
 SSDFSGAWLA AAGVGTVAAG GGIWAYSRSR KKKTSATLE DAREIDPRDT NRLMLPMET
 LEHLAQEELT STDDSIIRRGK EELAIATSEF GPERTRSFNR AMNHSTGTLO KAFEIQORLN
 DSIPESEAE QSMLEVEIIS CGQADDALDA EAQNFADMRN LLINAGSKLD ALTQKSVDLR
 TRLPKQETL AGLRTRYSAE VLESIDDNVD LASASLDEAE EVLPQAYEIE SMPAGEQGGG
 IDAIRHIEHA ITTADKLLAG VEHADENIST AKANVADLIQ EISDEINEAG QLKQSAGADG
 ARADWASLDD AVRAASAALI TASADAEEKDP LGTYTELVDV DSALDTQLDT LRATAADQAR
 QLRVFDQQLQ SARSQIQKAE DLISTRGRIV KSEARHTLAN AQKLYAMAQQ NRTRDTRAGI
 DYGRQAAVAA QRASKSAQND ITTYNNRHNS GGTTGAIVT GMVINSILNS GRGGGFCGGG
 FGFGGGGGGFS GGGGGGGGFR GGRF

> RXA01488 (1-831, translated) 277 residues
 VLLETGAVND LALLDLFGAP EVPVYLGEPL AQTKDGFELV EISAFIHGQN GIGLEVELPAS

ESKALPGAVD FLIDSVNTHG DDLVIIATGP MTNLSAAIAK DPSFASKAHV VIMGGALTVP
 GNVSTWAEAN INQDPDAAND LFRSGADVTM IGLDVTLQTL LTKKHTAQWR ELGTPAAIAL
 ADMTDYYIKA YETTAPHLGG CGLHDPLAVG VAVDPSLVTL LPINLKVDIE GETRGRITIGD
 EVRLNDPVRT SRAAVAVDVD RFLSEFMTRI GRVAAQQ

> RXA01492 (1-804, translated) 268 residues
 VTTTLWAVSD LHAAVKANAD PIENIQPKDP SDWLIVAGDV AERTELVLEI LARLRRRFAK
 VIWVPGNHLE FRSADRYQG RDKYSELVEG CRKIDVLTPE DPYLTFGGVT IVPLFTLYDY
 SFRRPFGTVE QAVQAARDRQ VMMTDEFSIA PFVDIRAWCW DRLAYSIKRL SKINGPTILI
 NHWPLVVEPT YQMRWQELAL WCGTRHTRGW AERYNAEAVI YGHLHMPGIT NVNGVKHIEV
 SLGYPREWEH WSGQHVWPYP VMEVDNAG

> RXA01494 (1-996, translated) 332 residues
 VTDNSQFHAA SALVQAAHTV SVVGHLRPDA DAIGSVAATV AALQQLGKDA VGAIGQLDSM
 PENLYTIPGA SNIKFGDSLPE ESDLIIVDC GSIERTGAFE SIIVNNPDKV LVVDHHAATNP
 GFGAVNLIDV EAESTTILY DWFDAHSVQI TPDIAHGLYA GLLTDTGCFR WGRPVMHMDMA
 KELMEFGLDI RAISSALLDQ TSVDDLRLVG QIVSRIELRE AGPYTLAVLV ADFDTINGRS
 RAVVEGLIEM VRAVEGADFG AVFKEYERGV YTVSLRSSNL SVASLAVHLG GGGHIPAAGY
 TARGTEIEAL DTLIEATVTL GESLRSSAHV DV

> RXA01497 (1-918, translated) 306 residues
 MVGKLPIMAE TNENDLPVID LAQIEGYVVD DSEDDDPVLL RPDGTPIETW REDFPYEERV
 TREDYEKVKR SLQIELLKWQ NWTKETGQRH IILFEGRDAA GKGGTIKRFN EHLNPRGART
 VALEKPSPRE STSWYFQRYI QHFPAAGEIV FFDRSWYNRS GVERVMGFCT ESQHAFLRE
 VPMLNMIIG SGISLTKFWF SVTRKEQRTV FAIRQVDPVR QWKLSPMDLA SLDRWDDYTR
 AKEEQFRYTD TDESPWITIK SNDKKRARIN AMRYVLSKFD YTDKDYELVG EPDPKVVLRG
 RDQIGD

> RXA01501 (1-288, translated) 96 residues
 MKEVAVNEVP AGAQLIDVRE TDEYAEVRAQ GAVNIPMSEF VGRIDEIDL D RDIYVICKLG
 GRSAQVAEYL EQRGIEAINV NGGTDGWVAA GLPTEA

> RXA01504 (1-609, translated) 203 residues
 MNITWLILAG VLAIIVAVFF YLSAQKKKSE PQPPRQRQDP LKFADGS DTF NARILGPGAI
 ISRGGVDYVC RGAIQFRQGG YIWHEYLLDG GKGSEYLSVE YDEGQLNLGW WITRPDLAQQ
 PAHDVTVEGV RYRKTESGVG TFTSEGTTGV ADQGEFEYWD LAEVGGNRL L SFERYGKDSP
 FEVSLGWTVL PGELTVYPAP EAS

> RXA01505 (1-498, translated) 166 residues
 MIHHIDCMPT DVSAEALGVS WNGESPEVLV DKLIDASPHP STCHLAVIGG SHVVTVETPD
 GRFREEISCH AQEAEDSRWP LPDSITRENY LLQTNVAVLS EEDFARAAEE ISNGDDDWLI
 ASFPGAGEHH LTALTAEFLE DVWEVFSHHL YPEELTIVST RSIYKP

> RXA01506 (1-411, translated) 137 residues
 MSSRNYRSIG FILLFLAVLC LFAAVFAKPA VGSQVSDRWP GNNGTYSCAG ESGVVDEIVN
 MSTPTDRATD PATGDTYLRV SKNLIIISGE GTPECTITVE GLDRVNSGAF IWLGGGFGPS
 SPSSSSGGSS GSGGGVK

> RXA01507 (1-423, translated) 141 residues
 MSQYLVGDVL GTLSYFVLAA VILVVG FVIL DLITPGKLHE LVFVHHL PNA AVITVAQQVS
 IGIIIVTAVL TSSDILSEGL LETAVFGALG LVIQVVVMAV LEAVIPGRFR DLVEDPKLRS
 GAVVAVILI VVGTVNAACL I

> RXA01518 (1-474, translated) 158 residues
 VAFMQKTSAG WLIATGGFLA AVSAILTWRF YGSMTSISIT VSITFWLLAV VCGFAGVKVQ
 GRLEDEGLIGQ DKSQMPVPTI AYLAMLGRAC AWGGAIFGGV YVGIGSYVIP RAGELSAASN
 DLPGVIAACAL GGIALSAAGL YLERSCEAPP PQSGEAI S

> RXA01519 (1-747, translated) 249 residues
 MNQDLSHEDS GDGNSVDRGQ ILLAVLIGLA LIASVIMLLA NSDGAMKIAL LAALWAAIIG
 FFLVYRSRKQ VEAAAREKET LEYAHQSELN RLEAELVQEK MEISESRRAR DQETLEEIKL

QLEEMRTQLS ELSGREWGYE PTMLRAEARR ILELESQQLS QQFQAPQPEV PEPVAVPEPM
PEPAPVPEPV PEPEPVEVAV EAEPEPAPGR RRRRHAAPEE TGGRRRKDER QGGLSVADLL
AAARKKENN

> RXA01520 (1-384, translated) 128 residues
VASALDELGE TIVGLLVGEL GGSIVEIADD KRAQLAAALT YAGFLSTLQR DASYFLDEFL
GDPDVTSDIV MDSAQQFQAL PSLDEVIAQY DSINNPGRQR LFRDLARRQA EISRAQDIEL
WAIQKEDR

> RXA01523 (1-951, translated) 317 residues
MKNWQEEFQL VNLTKLLHSD TETSAAISNG QMIKLTHEVA INAEKYRSLP AWDKAAARAF
AVGMTVDKAV VAGQSAARLW GYQTLTVEKT VLCLLPERLR SKSSKHWPSG MRYKDRYLSS
RDIREVHGIR VTGAFTFLD IALDDGVVAA VVTIDSARRQ NPSLTREKLM HSAESFPRHR
GVKAYRQAIE LSIPNSDSAQ ETRARLILRE AKLPEIQSVK VQARFDQSHN KYFLVDLIN
EWIIVEIDGR SKYDSPELNE VLMAERDREK FFLNQGYAVL RIDPKQLDLN QDGECEFIGI
LKNLTQKTPP EHLKQAA

> RXA01525 (1-1722, translated) 574 residues
MRSFQSILDL VNSASEVATK IVLKRFEKRI TSETDWVPYQ RFSLSVSGSP LTIERKGPDV
RVSKDNTAVL QRYQRPEAEG LISYFMDPKP WITELAGLNL DDVSEDTVAG RTVLVPLSN
VILSIDAEFG MILTAENDIE KIHAISELL EKWRSSHYPE PHFPAVLPP ASTGNRNLRV
LCPEFSIPSV NVGDQVLLFL TFDQTLPPVD QLETRRGYT DPIQLDYDHR QYRFHADGWD
AIISTVEPLH DEEELTGYFL HRLDPDSAYP TIAVVTAAHY HGTDAIIDVT LDGVHPPKNQ
ETLEGISTST SDGDIFWLSL ESLEPFVRGFS VSTGELLHEI SIPTFQEIIVL DSANRARVKQ
KQWPHDFSDC KGKTWELPDL KEVFEAVPSI PAGWRLLDSF GKNLHNVTR NPLNDNFNL
QTILRLKPKF AVDLDIGRSI ITAIYPYGDR IYLRASNHII TFNQDLEILN VEVFGDPEVP
ESGLIYLPFG DSPTLGFPFG TLMMFHEQEG TYAFHDPETT EQITTVNLDR NSFSVAYSSR
TKIVISLKNP ESRPTNKLLV WEPQTGWREQ NLER

> RXA01527 (1-2511, translated) 837 residues
VIPNPNPNPK AKTLRLVSAL TAITVVGFSA SPVHALPIPL DPSDPAVSEL WVNPNARADD
ELSGVDVEIS DFVMPNSNLT VQVGESFKAQ VRVTNRSSET LSNTLQARR AEASFDMASA
RVAATDNNYG YFGAMVTLDD ELEPGESVET EVEISTDSLS ISQPGSYPTM LALSGQLDGV
AQHLDSQRFL LPVLSDDTDT EDTATPTTMI YPISAQTNVL GGETGEAPEE PPLLVSDDAL
AGELDEGGRL QKLIDAYLQS SPAVQATCL AIDPQLLDVV DRMTGGYTVT DTRPSTVRQN
QRLRELWTAD NQPTNGVAGT GAENAAIFLE KLRQATATSC TVALPWANAD LNAVSTGNQ
WLMREALQRG VTTFEEVLGV IPESNVVPIG NGFVEPSTVG DLGWAETVLN PDQAWEVQSE
ELVAAPDATE QSALDNPKPT PGTVTPPTPM STVSVLVSDN TVWRTTSADR FHSLAPGITG
VSYQGSLSAT LATLGQNPET VGYSNPDSRY DYAMDESAR NLTGQAALRL TVDNGDESDP
VLIMPSAVLG AEDGAMLLET TGALLADGSA RPFSLQQYVT ANAEQRNTLA TATTPPDDTA
FGAPYDDPAS LTETEILRTT QQAIEYIDDLT GIMSNDPSIA LTRYGFTAPL RQDLRLALS
SERRSLARHT QATSAADKLL NNRNRTLQKL RSSVALLPPG NVYTRTSESS PLLIVAQNG
PLPAETQILY SGNQDAHINT PGVVRIPAQG SITLQMTADL PDDNLRDLDL LWLASPDGAT
ISEPVEITVQ PRPNLGTTLF FVAAGILAVG GLLFIRKKRN VEKRSPGTGS PKPPPTH

> RXA01536 (1-1242, translated) 414 residues
MAFGFFSRRK KKNKDKNPNE NSAVPAHSED SPQEVFEGNG RQVGDPPIEQQ VDRDAKGRLT
AADFLPADL PQLNRSRANM LRRELEYRFS LQNAHINIDG NTAMIQRSDG GAAHVSLRTL
AMNAAGLDNF DQLPELVESF VHGTLDATL NDLSTADLYK ALRLRLLLPTP GEGDDLVEHG
LDRESQIRDD SILRTFTSDM SIALVLDTHE AIRIQPLKEL EEFDDLSALE RAADRNTWQE
LYDANVDASF VDAESDSEGS SFWAFESNSY YLGSAPLFLN DLLAKWAPDL DQSDGVIFAV
PDRDLIARP VTTGEDLMNG ITAMVRIAMR FGLGNPTSIS PRLHLLRDNQ VTTFTDFRVV
SPEMAEWED SAFDAPPAGA IGIEVRPDPY LMERLQQGGF GDFGDFGKPR DLDL

> RXA01539 (1-1923, translated) 641 residues
MSSSDLASII GVEQQPVAYG ESEEPETLRD VLPRRKLHPS EITPSYEVAD GEQRSIFGES
APSDFDLSD VEEFDTSHWV RAGQDDRSDD DRLADEAGVP PSGAQDVADN EANLSGVDEQ
LHMREVHAQS FDPIDVAKKE RKAEEKYAK PPKSDNPYLA RDAKDAAARK RKINAAHDNF
AQEMAQAAMG PLRKGVTQT VMAACTTAAV MWCMSPRMTG VNVDMKRKFN KDLEQAKDTK
LSKYVSKDFW KSKLTRDKTE KEAKSLSDAF MQQKTAIISN RERIPMSVAS AAQTVRLSD
QAYEAMREVD TDGQAIIDAK DVSAQVAEDI DMVVKQGEH GLKSKDIYGA ARDIVGRME

RDPGYAARFN ETAFGTVRLG EQRRGMVISK TPTWQFPDGA GLSKNAGWFS VREPMGNAQN
FADNLAATLA TEMRVAGEQY GSDGVRDVVA GFMTATDVSE SGLASAKKLL PDFDTRGRSA
SRVRQIAMAQ RTQAAIKVLQ DDGNQTAMTT EQVKEVQVWA MDQAEKVMQR DHPAILEDKFV
RKHGQTFGQD ADAFVKISITM EKDTSSSEYTD AMVRPQENRG SGRELAARRR VQAAQINQAA
QLDMNVHDFR ESNLPEERPA NPYEAYVRET EAKTNDPQYG Y

> RXA01540 (1-702, translated) 234 residues

MTFAELSSPR TIIAFNGRAE SGKDTAAQYL THMHSFHRIA FADGVRDALY ALNPLVCVEQ
AITTHGAIYD RVATVVDTLG WDTAKQIPDI RALMQRIGTE AGWRIHGEHL WVNLAIKKIN
ELPADHAIVI TDLRFPNEIE WLNSLKANPM NTIQTVKVIR PDHESTLTAG SFGTTSISE
SFNLTTDTVL RNDGTIDDLH SKLADFLSTS PQPVLRSNAP VPKHNAAPT TDAM

> RXA01542 (1-5061, translated) 1687 residues

WGQKDHWGKA PLGDHDAVRI YRQAEALMKQ RAANNKGLDL NDEATYGAIM FASFDDAFAA
DAEAHGCVHR PQFAKVTRRN ILNSPQYTAI KSSYDALVQQ DLVAQQQQAQ ALQQAAYEQE
QAAIFQARDQ ATFQAEQTLA QESVRQSEGV GLPVIDPMES YFREYAFYEG VEMFGTWGTH
VDAGVSQFST SDGRAIRALV DEHLATYEPV EQRGSTQAFF ASVNAFAAEV APHAAPMFSA
IAREGECSKG YQALRHRFDK MVGTAIGPNG LPEGPDLGGR RLPISPYDPR WSDREVVRVH
GTKLLSLSEE SVGMIRDLDL ATIHLDQNDV YEGTHREDDT KGGVRPLTQW VNGEAIWRT
ITENDQMRLP NIGQFMATAE YRAAASWLRA GLIDTADVAS QKIDPNKVM SGTVIKYSAE
LTYLSDEGVD FRIEPRDEPG QLKVRIEGR IDIRLTDTRA NEQWVGRVYD SGTVIKYSAE
QTAEERLRAR ERMENGDTGW TPATDYEPSP TEVVDLVKFA LGREVERQDG KGLVGVPNAR
HPRALEQAQD AYFTKNRSFA MVREGLSIVQ DARDRSAGPG KWFNEAKAS EWLGNIALT
RARVAEELGV EELIALSAQY ADDPDFMPAF AGEDELMAIK QDYWAMLGE ETDLLNPGVN
RDDYMAAIRD GDHEQIAAMT SAMNAVTVED RVRQHAALVL DDYVGTVEPD PVTGLRFNPV
TVAQHMPASAK SLWSNHDDII AALRATSITG DELRGDEFYN DVINQQLLK NPETAQKMN
NPDLDPQLAR FGTVIAETIS RRGADVVDA VDDNGVVRWT AQRRVGAKDS RAVDSKGQVR
GERTRHVQGE IGQIFTRGEH GEIVTKFNGG ENYMFAPGYT ASVVPQKPGT TKSLEERTKL
KGYEQVMSEA LVYRVREDLM FTERSVRGAT TSINSAYKRL YDNRFVVDFF ERSAAEGLSD
EWRAALLETA SLRVRYDNSI RDGANVMEDI RAQQRGFDAR NDNSRDALVL TGGRNISVLD
VDAGKGFFDP MMTGMAANQG SVRYLLPSAK VGADGMITPG DPADRVVAA HPESWAMGFD
PHDRQNMTFS NIMQASAVTG GARTAMIQLG GWNFEDGIIV SADFANTHVI RDEDEMRLP
VAGDKLSDFH GNKGVTALVV DPAMSDADAR AAGLESEVAF FRDNPDLVV MSPFSAISRF
NGGTARELMT NPQDVVFRNN DGSTRVQPGA SGDLNFIVTH MAVDAKTNVY DEEAVERGQG
RKASSQLAWV LQAQECHEIM EHFYGNVSA LANFQEYLRV TGLDVTYPGE LREGFSESNE
QRNIIEMPPI YDENGELNNR VNRAQVREAF VEQISRAGGV MEIPFQLQLR NGAQLEESPN
NPDMYQLPLL SPHLRSDEDL ADGSTSRHEY TTRYMAIFDT CYKLAEQAK IDALRQEEAQ
HGTLPRAAEK RLSESQKFVD QAQKQVQASF DGIANDIVAS RIETKNNVFK DGFSARQSH
SATAVWTGDP RLSVDEVAMN SSMARELGVL DNGYAMVWRD PVIRDGGVRY LRVVINDDLH
GVAVNPVSVK SFDGDFDGDS VGLVGNLPKK AHEEALSRLT VEANMLDLGD GKRMEGTMTF
YGLTLHDSLD VQVAQHHDPA MAENMKVIVS ELNRYQREYE AGEISREELL EVNRAHMDDL
NEHYAQA

> RXA01543 (1-2766, translated) 922 residues

MSLKQAIIVR NEYTIKQANG KSGRGSSPGK YISGYMARS AVEAVAPIVR NKLDDEFIMRY
MARDSAVEQL TTDSNADYDQ QPEMNSRRGR QGRRATLKQR RAERSARRAA LRAGVNTDSD
TTNPSQPVHP RELAEFTTQD QQRVHDLMLR AQNGGVAFG YGDVSLSHDD LHAASNNVQE
LYENRHTVMK VVLSFTQDYL TAHGLIPEDL DIKRGDYRG QVDQMKLRMA VMHGVDRLAQ
RHYDDLRYVG VIQVDTKHVH AHLTMVDAGY GHRAADGTQK GKINKPGKAI LRRGIDAWLD
QHQMMAHLSA AVGYEKRNV SYVKRWAHQ LTQESAAQFV VACLPEKRL WRASTNAKEM
DKPNRLVREL VEARLGETDS PMPAALSQVY QYAQKRRVKE GLSKQDTQRL IDNGREKIE
QAMNGVYSVL SAISDEQRDV STAMLTVMRQ DYEDLLDGLA RKSKDLDEQ GSSGSQEVGK
EEPEPSIEEF GLRLRSYSAR LNHHRQREA FAVKKRSWED ANSQGLADPT SQVMWSFYDT
EEQYHAMCQS KYQHFLTFAP PVGQWEKQWA EVADYGRVV GLRALRADRS LARMSDERAA
EALGRQLYDQ PGGGLLARTG AEGKAGRAVL DGIERRMMVT YQQKIDDLRR EWAQLGARLE
VEGDVAVLMDA ADLRESGEGG ADEKQIQQQT GELPVADVSD SVRTYLDEEL RSRDVSADH
PVHTLRGRFQ VVFRPEHDFE QVGGPDLRDL HYAWFSDQKV SQPIVCSYGE LVTQRRYAFE
RAREWMISSQ QEPEAVAEEL DHAGADITRM EATSSEVSRT GILRSAMLAR IREQARQRAQ
RAAEEQARRE RELVAQRQQE IDQETTQPAF EVVQRHVQPE SVQIKRGRTV ALDKRVQPLI
RDAVDRAVL D SQLRSTRDGG LG

> RXA01544 (1-600, translated) 200 residues
VKLDDAMVMI EQRLVKGRGA TKTQLAPYEH IQRNIAARGL RADDGGSCFG YGDASLSNDD
VATAAEDIQD LFACGHTVIS AIVVFDKSYL SEHGIMSFDP NYFGQDIYAD THPEIDLMEL
RLAVMNGLLG LEGTFFEDMR YVASIEVSRS YVYAHIMMAD AGVDDARGNA QVKITDTERV
LFRRGVESRF VEQEARNVVL

> RXA01545 (1-1251, translated) 417 residues
MKLAGFNTNS PAAQRVAEQG EKVQLDAPVY AVFTPDVVEV EFIGTQHEPV LHVEGAIDSV
TALSQLPYDI QKITFDSNQ QRFSGFYKFS PQQHKELIDK GLYLEGFQPP REMMTSLPWE
LPMNADVTVV APESQDAPPI VLVGLSEIHG VDFSQESSGY ELTSMFEDYR SQREAGEADK
DFSESISRAE IEGKDIFADA NRTRTGVSAAH AQRLEQERAL SAAQLMAKLA GISFQTEPVL
VGAEESFDAE QFLAHLDDT AGMSEWEREV TEFYNEKIRA QEPVVEREAE RDSDIETEVD
AAPTVSAAEI NDVIHDLDEL EFDDVIDLDA DDVNTAEVE APASVSAAEI SATELDFDRE
SRAKTAQREA SRRVAQKIQT QESVREAYIR EQKHGYDASP AGRKGFDEKI AERGLDL

> RXA01546 (1-696, translated) 232 residues
MARAKNKKQR QLQHAHDAAQ AEIAEAVVN TVEPINARTG GWPSWVDKVV KLTGSLGGWF
AFLVFAIAVW PVAILAAGTV VTIIGTWGVS VLPSLVISSI GASAGVIIST TDGFLFSWVI
PVLFLMIVLA LVVMKVLNLI FGALWRFTMT LRQGLYAGRE KISRDDAKRA RAEKKLTKQQ
AKEAKKQRKL DAIYSAQQAE ETLAQQAQSE PEESDDKNRH DALNDAAAA RN

> RXA01547 (1-663, translated) 221 residues
MFDQVKRFFV RNIVMIIALI LAVVVIIVAT STSADRHAFL KRQTGEIMAL QQERDALNSK
LEGQLEQVVR DATGGMDIEH KAADDAVRE FLSMALTWDS VRDYLDVREQ VMRVYDLDEE
SQFMSVFMPP EMAGIARTDP TGEVHYAYDA DLSNRFSSLE SVVTRINGTE YSYVSTVTMK
SKRSGGEAET TSTSRLAYDV IDGKIRNLEA RTVPGGVKYS G

> RXA01548 (1-1008, translated) 336 residues
MAENNGGSDD LKPISVDGVV NGEVRSDEK QAFKITGDD LRRRAEQIRK RRLAKAQEDA
RKRKPLFGLG RIAVTVLAGA VFIGTTLWIS TTSGGFDDKV SANNEQIVTL RNEVNDLKNT
AETMPKKETL ASQFDAATSR AQNVADLQNG LAGIITSVDD DAATEQFKTI VDELKPKFTV
SAGTTGEFPA AGRWYQPQEV VVGDNRRPTW APMGAESWG TVTPTLSMSD TEHVVMWWEA
RLTGGERYGA LLAWVTADYN INTGVFSSLA LAHTYEGHQR IGATTSPSEF GAHGTNAEAS
AARAGSEGGG LEGEAIFVDE LQRALEIAQL NKQENR

>RXA01549 (1-861, translated) 287 residues
MVDNKNSSSN SPTAASEYFL REWERPADVA GNAPIRAEQA SKWYAQMGGW QKNSTLGSV
IAMADGAAK STARDEQDAL NDCPEEDRTS GGNTSAAEAM VTISHPYLAD SRGNDGTDIY
RYIHDEVLTG DPYYASCDRG VATAIRWSGT DDTFPAGPTA AQYEVVVGTV SGRWEEIGNL
ATMSENDLLP GDVLLGAPNH VAMYVSNEVV VDMLGPGNAE PNAAIGHASL NDRSPGLDTL
SLDGWGVNFK VFRNTQAETN SVFSGVQIPA GKEIGEMTNP TRTTPAG

> RXA01552 (1-978, translated) 326 residues
MYLGMKEDSL APPQNRFESH KTVFSLKQKN IPIKDAKSD QVNLTWHDYP GEWFEGGAVT
DSEKQDKVET FRNLLGSDVA LFLVDGQKLH DYANEEERYL SYLFDGFIEN LNQIKDAILE
GGKQLQQFPR IWVIALSKAD LWPDLQVKDF ENLLNKKAGN EIIALRSKLL EFIDNDEAFS
FGKDFLLSS AKFTPGHIDI SQRKGVVDVLL PLACVLPMQR HLWWQELKVL PINLADILLG
NEIAQMGFKI VSKVLKNKVS GTNNKAMAAL VFAELVRDMV DQPTTELLQKA REEAVGRREF
LKAITAEFTF KLNQAEADQV LVRDFA

> RXA01554 (1-2142, translated) 714 residues
LKKHVTSVAV AVVTAFSTAA LGLSIAVSPA VAQVANPAPD LSAPYTWVEE FDSADALKGW
NIFRQPDYGS DKVLYTEDAL SIEDGKLTIT TORHCVDEDF AISDPVNRGK LNDSTAQVEP
CAPGQFEKFT SARIVTPKIA RGEFDLSVTA TLNTGGVEGV RSAIWMQNGE QACSSATNNG
LYGELDLVEH FSYDLRSPWS PSNTHLGCDP ESVGNTNRAP RELKLDES LD GVEHTWTVST
TRDGVVEYFID DEAINRQSWR NDVTLGHAIE DDFGISAQTF DEIVDREWTL TLNQKVESAD
WAKPRSSEED FPRVSMVIDR IEVTGSPAVS EDTPMPDPTQ LLTQDTLEYL GRMPVLERYE
PASADFADGR RPSWNYFNK ESWQNPELEQ RPEAVEFVDG RMDIVTRRH LATDDIATP
ENAEQEEPCAP GEVTRYSSAR VHLPEIPAGN FRLTVRARAQ SEELVDGVRP AIWMQNNTNF
CADNDGRPYG ELDITEFYSS RVNTQYSAVH LGCAGNRPEM KLRQMEMEES MFGDWHDWGV
EVFDGQIVFT IDGKAVTSSG KDVFGNSVTP AAAPLRPAHF KLSEEEYREV IGQPHWLILN

TMVEQSGKDS WITAVDNNEA FPEHRFQIDH VAVDIESDSV DNVWPDAAANE IPDNVGIEDS
DDGSDLEVGGS TGSSTAETVS WISLFTALSS LVFTLALNQE ALQNLINQFM RQFK

> RXA01557 (1-816, translated) 272 residues
VRSSNPVFSS LKETQRPOGQ NPYGGYDNFG GVVQQNVAPO KAERPMTVDD VITKTGITLA
VIIVFALVTF GVWLVSPLG MILTIVGAIG GFITVLVSTF GKKGSAAVT LIYAVFEGLF
VGGISLLLSG FTVGNANAGG LIGQAVLGTI GVFIGMLFVY KTGAIKVTTPK FNRILTGMV
GVLVLVLGNV VWALFTGGAS PLRDGGIIAI IFSLFICIGLA AFSFLSDFDA ADRLVREGAP
SKMAWGVALG LAVTLVWLYT EILRLLSYFQ NR

> RXA01560 (1-330, translated) 110 residues
VGVSIIAGD EQLDMAEAVR KIGETFKTEE IILGGGGTLN WSMLRDGLCD EVSIVMMPPIA
DGEKHTHSLF EADEKYSAPL PIGFSLASVE PLEDGSVWMR YGVNGPVDAN

> RXA01574 (1-1035, translated) 345 residues
MSNKRIGVVI VSYGHEQDVA NLVDTFADQL KTGDRVVVD NRKPWVLKDA VGERLEKHGA
EIINHONGGF AAGCNVGAH IVDDVDLLFF LNPDTVIDDP TLFNSLRVD EQWAAFMPYL
LLPDSTINSA GNALHISGLS WVTGLDEKPV EGSSEVTDIS IASGACLA VRDWWKRLGGM
EELYFMYHED TDFSARLLLA GGRIGLLHSA YVTHHYDYAK GDYKWIYIER NRHVLLLSVL
PLPLLFLVLP QILGVNLGLW AIAAKEKRVG LKVKSLRLLI RDLPAIFKLR RSTQELAELE
PSQYLAKMEW RLDNPNLGNL GSNKIVATGY KTYKLCMSI LKLLA

> RXA01575 (1-1020, translated) 340 residues
MKSIDLEQLA GTQSRTYQSR KITDEMVARP VHVAIALWEV PWESAKSGKI EGWVIAVDSP
RGRFVRSGQT KNGDAVNRTV SMLKSALKGV RGKAWIVTGR RQALRAALV RENYLVTSF
AEQNRAGVKA SAISRRAEQS ALYKAKKIGE FAERAPRVKE RQEAHWWPRL SRTQGTAGVL
RLATDASTDG VFRGAMCFVA SNGDYLLTQ DTTASSDELE LESITHALIY LKTIGATQAI
IESDSKAAL AIDFILNNRP RRGWRGITA CARNRFRDAW EALIDDCVVE LSRVLGHAGD
PLNQAADQIA YMGMRVAVFE QKSAHPTLLK GIDKALRAE

> RXA01577 (1-375, translated) 125 residues
MTQTTTQIII QILLLLATAA LALYFLNRNR KARAKAWVKI GFVVFIFAAV WAVLRPDDL
QLANFVGVD R GTDLMLYALV VAFMFTTLSS YVRFREQELR YSKLARAVAL QNVVLPEDSQ
GSDPA

> RXA01579 (1-384, translated) 128 residues
LTEVFNTDQR VLNALFNVVE EDDSGDTDDE QHNHQNVPVRG TEFAGLVESH EQRSNGHRQW
QHTKPVHLRG FFSGGFLHAE RQCEGSDSAE SSHDPEDGTE TKCFSQPATS KRVHAADTTV
DRGNNSEK

> RXA01585 (1-627, translated) 209 residues
VVETLSITSG AAGLQALVAR AVGLNELASA RFRQLTPEVV DVFVTTPEV TASRRVFGVA
GRDGAAGVAK DLLQALSEGR EDVGTSRDAS WPGSLPPATG FTLVDELPH VVRTLADQGG
ALARQFSGPL GPPASLMDQE VISAEGNGKK AGIPMRTVFT CTSGLLIPGF EAANDVPRHL
RVSVNGRWTR VDAPYGSVYH SSGLGSLVF

> RXA01586 (1-369, translated) 123 residues
NNAAFIEIAQ EARLAFADQ FRERGYEIPA VFVRHLEVDY LRAILPDTTQ AVVETQVTKI
GNTSFSTRQE VKDRNGRVCC VVECVQAVN VQTAAPRSIS KVERKVLTA ATDEVQSQEA
LEK

> RXA01587 (1-1983, translated) 661 residues
MTDFFGLIYN WSVTVGWLIG IPVSI GLFMM GALMFRMDK GSAFKKVIR VVYGVVGLPL
LGVSYTALD SFLDSGSSTS AGSNATKIVL STYVDFQSWA ENTRMRVPDK VTLAWSLEDQ
APTQGSRMV RNSALEINAQ SNESFTTFKN PGSMDLGYM DWMEKMADPA NSGTDGTS
SATTIFQGTI ALLSRYIDND SISSGSFETS IRSAMESLTS KEGSGEAVAG GDVMAVVTGY
NTASGLNEIT AAELADANNP LLEVSDSAGL QGRPIDRNAV SFKSGDATAS CNNSVVTGSR
AVVG DYRSDC NMSPLTMYNF LNTSFHPADA SVFSTSTSAS SYTRASHSAV SLIGSGAMNF
VYWFSA SLM GSFIVIGIGY AGAMLFNTIR RTL SLIGAVP FAAMGFIAGV AKVIVYTIAM
LVEVIGTIIL YQLITRFLMA VPALFEQPLA DSLSSNESAE LVAGAGMGLV GMALATSGNW
AIAGMVITVA SSMGVIIFTI IAMKVRGSLV SGVDETVTSV INRFLDTQVS SAGATSGDGM

MRRAATGLG IGATHMVLNR DGDGGGSDSG SGGSGGSDS GLGEKAAGLA KVVTTVAGAG
LVGKYATDAL DNYADGVING DGDGAFAAGG DATVDGDYVA DGDAIASADA NADFVDGVAD
G

> RXA01590 (1-1284, translated) 428 residues
GKLKEYATYI GADPAQGFKD VGQPTPEALR SHYEGSQKAT AIKVLFTGVA GKKEQEMVAL
CRNLGLTKEA MAASAPAQQS ILQAKHDPID ALYRAETLMG PVGDLYQGRK MRRGENEQGR
YEWVVRDEN HQPIQATKDE WVQQYMEMYA DDKGMGVSVG VDQVEKIAEE FSDEQGYMRV
LSHDELPTEI KPLALDQLAY GDKKNRFDLL CEMAKQQVNI YDGDYDFAP RVVVRANMKAM
EDAARFGIPD VEIQSISAQQ SLASFERVPO RSGFRIERRV PAEVTGTGIAA PAPLPDAGVQ
GNYVQQQVPA TPPVMPVTPP AQQPVSAPQT DFRGVGQPLD QGGKIGNYGH QGPAMGAQQP
VVPQQQNIPP VHNVPVQNSV PPTPVVPKPG TGNPFTHGGA NNQFMGRFDT SRYNQEQEPPQ
RQDGGFEL

> RXA01592 (1-1293, translated) 431 residues
NFDRLSRDNR SSARTPRGDR GDRGGYRNSR GNDDRGNYRQ NRDGESRDRG GYLGDRLDNR
SGEYRQRDDR RDDRRDNRSD DRRGGYRSDR NFDDRNSNMR DRRGGDRSY SRNDRSDRGY
RSNDRYDRND RRDDNRDTRG GDRGDRRYDR RDDRRDRLD DRRGGQGR PGDRLRHRN
AGAGRDQQRD SLHPQRAGFR EERLNTRLNE PDLPGDIDIK DLDPLVLQDL KVLSDKNADA
VAKHMIMAAT WLADDPQLAL RHARAADKRA GRVSVVRETN GIAAYHAGEW KEALSELRAA
RRMSGGPGLI AVMADCEGL GRPEKAIELA REEDLSSLDQ DNLIELAIVV AGARHDLGQH
DSAIVELQKV NPSLKSTGFT HSRLSYAYAD ALVLAGRGDE AREWFQHAAT LDEDGYLDAE
ERIEQLDNGN N

> RXA01595 (1-960, translated) 320 residues
MTAPTNAAGEL RRVLLVPHTG RSSNIESAIL AAKLLDDAGI DVRVLINDAD DPIAEHSLVLG
RFTHVRHAAD AADGAELVLV LGGDGTFLRA ADMAHAVDLP VLGINLGHVG FLAEWESDSL
EEALKRVIDR DYRIEDRMTL TVVVLDGGGE EIGRGWALNE VSIENLNRRG VLDATLEVDA
RPVASFGCDG VLISTPTGST AYAFAAGGPV LWPELDAILV VPNNAHALFT KPLVVSPPKST
VAVESNDS TS AAMAVMDGFR PIPMPGSRV EVTRGERPVR WVRLDSSPFT DRLVSKLRLP
VTGWRGPQKQ AENKDPDSAG

> RXA01597 (1-1182, translated) 394 residues
MSLFNRKADL PGLQGATRIC TPQKGKGLKRL SEGDLAIIDA PDLSTFAQR LLAAPAAVL
NVSRTTGSV PNFGPQMLID GGIQLVEGFG QELLDGTDKG KKGRLTEDGQ LFYGERLISN
GSVLSGPAAE NAFADAQQSL LDRMEAYFGN TIQFIHSEAP LLIDGLGIPD TGNAIEGRKV
LIASPGDNHR SRLKELRSFI REYDPVLIGV DGAADTLVEL GYKPALIVGN PTGIGADALR
SGANVILPAD PDGHAVGLER IQDLGIGAMT FPSSVNSSTD LALLLADFHN PQMIVNVGGP
VTLDGVFENR EDSPPAALLT RAKLGTKLVD GSIVIASLYTV RSSSNLGMWV ALAILVLVA
VVIVIAAGTAG SGSTDNLD TWNSFALTVQ GWFK

> RXA01598 (1-963, translated) 321 residues
MAKRRRGAA TFAALGFGAA AGIAFGTYVL APNLPENIDP NAPTSAELVE AETLAEVNAV
QADQADSIID HIVEDVAGT LTDRPVLVLR TADAESDVA DVSWLLQQAG AINAGSITLE
ENFFSQDGAD QLKSIANTL PAGAQLSETQ LDPGTHAGEA LGAALLNPE TGEPLASTAE
RGLLLNVLDR NGYISYEDGT ILPGQVIVMI TGDSGSGDG AFAAETQSLF ARALDAQSGG
VVVAGRIHTA ADTGIVGLR ANPDAAENV TIDSVNRTWG KMATVLSVRE ELAGRSGAFG
SAASADAASP SLDGTAAAPA Q

> RXA01600 (1-669, translated) 223 residues
MVSKMHIPT HEFTVTDTEL LLESPILGVR RDSLIMPGGS TARREVVEHF GAVAVVAFDG
ENIAMVKQYR RSVGDSLWEL PAGLLDIADL DELTGAQREL MEEAGLEASE WSVLTDLITS
PGFCDEAVRV FLARGLTKVE RPKVMGDEEA DMINQWVPLH EAVGMVFSGQ LVNSIAIAGV
MAADAVIAGR ASARAVTAPF TYRPTALAQR RKAHGIVPDM KKL

> RXA01602 (1-1530, translated) 510 residues
MAKTHIRLQD LSLSYSTPL ITKLNITVSS GQCAVIVGEN GRGKTTLLRA LAREFPSPAG
EILTHGTVAI AHQHMPAGDL SVGEICDEAI RDSKNALEEL ERAGALLETN TAHALDGYQQ
ALDAAEVLD WNAEHRLEKA LRSFGAITDR SRALSELSIG QRYRVRACL IGGDADILL
DEPTNHLDRG ALNYLTEAIT SHKGVVLVVS HDQALIKDVA DFIIDIDSTP DGLPRIYHEG
FDSYRRQRSA LLETWRQDYA AAQTVQQQLQ EDLEHARQV NSSWKPPKGT GKHTRASRAP

GVVQALKRAQ DALDSKALDV PPAPAPLLLP TLKVRPDKPM VDFSDLFVPH RLRLPGSHSV
VSGDKIVITG DNGAGKSTLI EVLSGVLTPA SGSVANHART GVLGQESLVG EVPSIARDHA
VKWGLLSVEE SRFALQEFSE QORRRDLAM SLAGNPELLL LDEPSNHL SM HLVSALTEWL
DTTAAAVIMV THDRQLLRDT AHRHIELKS

> RXA01605 (1-1515, translated) 505 residues
VTSDSPAPAT VNAVFNNNSG FIASMLGNQV VNTVVETMDT EFGVRIVDNM LVGFSTLGDG
MNQAAEGATT LSDGVGSAND GAVQLADGAV TLRDGIASAN EGAQSLADGA SGLDTGLGSA
ATGSQTLADG LSSLSAGTAQ LGQGATQVSD GVGQLVDQVA PLTAYVPDIN SQLITLRDGA
ATIASELSDP SSTYRSGVDS AVSASQQLAA GLQTLKDGSS QLSIGARTLA DGTSQLAAGS
EQLVVGAAQAL RDGTVQLDEG SSELALKLTD GASQVPTFAD GADTTIATPV ETEQAGDTTP
LFGIGLAPFF MAVGLFMGAT VAWMILHPIS RRALDSRMGG FRGTLASYLP STVLGLGQAT
IMWAVLYFLL DLNPAHPAGL WMAMVAISWV FISITHMFNN VAGPSAGRVL SIVMMSFQLV
SSGGLYPET QPAFFHWFHT YDPITYAVNL VRQMIFNETP SNDRPFIQAI WVLLFIWALM
LAISTLANRT NKVLRMKDYH PELKV

> RXA01610 (1-729, translated) 243 residues
VSGFLTTPAT PHIRTATASI ATAVAVALS FFAALIPGSA LYSVLTAGGV ALGAASGVAA
LRHRGGLRIF QWLSALGGIV ILLIGIVVAV AKFGASAKLA TLGLVTSYYL MPSAALACYI
GGLGQLPAKW IAPAFMATAG AGAAGWFSLG AGTGFERFLI AVAAVFSLMG CVYPVWGCVV
KRPRQVAWL VALAALVLGA LMLFMVSMV APGLLWLQPT TVAWGFMIAG VLATVAGLWP
RRF

> RXA01611 (1-357, translated) 119 residues
MRKFRNTAIA LVSAATITLG GVTAATAQED ETTPAAETET TSPSGSSGSS WNDYNEEYEG
DQEGYGIDGF GSSRDDSSEE VPRWLETWKG VFDALTITSV LGLVVFVNVN FLKYNGLIK

> RXA01612 (1-345, translated) 115 residues
MRSFRATAVA GLTAVALS VG SATVATAEES DQNLSSGFSA LSSGGAAAVG EDWDADQPVT
GEDIFGEEHE RDNENTPAWA KNMYDLTVLG GIASLLGVIV FPAYNYLVYT GVIKG

> RXA01618 (1-384, translated) 128 residues
MIIIGAVFAI LAVLLHVFIF YMESFAWTSE KARGVFGTTE IDAENTKEMA YNQGFFYNFFL
AVIAGVGVAF LFAGSTGIGA ALALAGTGSM LAAAVALALS SPDKRGAAFK QGTFFLLAVV
FLVIGLLV

> RXA01619 (1-975, translated) 325 residues
MRAITHNTFG DPADVLOITE KEIPTPGPGQ VRIQVTLATI HNHDLWTVKG SYGFVPDLPA
AAGTEAVGIV DALGEGVEGL QVGQVRASGT SFGIWAEEYAL VDAAGLIPVP EQLSDESAAQ
LVAMPFSAIS LLDFLDMKPG EWLIQNSANG AVGRMLAQLA ESRGIHVVL VRRDAGVQEL
AAQNISGVVS TETPGWEKQV EDITGGASIA VALDSVGGSS AADLVKLLGE GGTILVSFGAM
GNPIMEIPSG PVIFKHITVK GFWSKVSRE MPAEKKTQLF GELIARILDG TLTLPVDSTF
DAADIVSAVR ASSEPGRAGK VLIRF

> RXA01622 (1-603, translated) 201 residues
MSDFYADRLF NAMERNEVAP GMLLVAAPDM ASDEFERSIV LIEHSPATT FGVNISSRS
VAVANVLPEW VDLTSKPQAL YIGGPLSQQV VVGLGVTKPG VDIENSTSFN KLANRLVHVD
LRSAPEDVAD DLEGMRFAG YAEWAPGQLN EEIEQGDWV TPALPSDIIA PGRVDIWDV
MRRQAMPLPL YSTFPSPD N

> RXA01623 (1-711, translated) 237 residues
MSENLEKEIR GGIGETLTVG LGLIPLGLAF GLLMVQTGFA WWWTPIFSFV IYAGSMEFLA
IGMVTAGIGP FSAAVAGFMV NFRHIFYGLT FPRHRIKSGA GRAYSTYALT DESYAIVSAR
PPGDISGTRV LTVQILCQAL WVIPGIIGAL VGQVLPDDLK GMDFALTALF VVLAWAEAFKN
NKDYSLLPLFA VVLALVSGFV APEQMLVIAL TTYFLILLR VRFPNLKKL EIRTSHE

> RXA01624 (1-345, translated) 115 residues
MSEFGLPEGV TLLNVAVLI PIAIITLLR IFPFAAMKRV NSNQLMGVLG RTMPVGMV
LVIYTLFGQV SAPGGVGASL IAVAFTALLH WLKGSAGLSI VGGTLAYMFL VNVVF

> RXA01627 (1-495, translated) 165 residues

RTYSPSLKDY NSDEPSLLGP AEDPNMYQEF EVSYEQLGK PEGRTLIGDS FSADFLTSNE
IGIVDEVPSG TIAFTNWKDV TEGRHSWYVR SEDPFGGVEI SPVQSFIAGE EAGGNAPGTG
SSNGGSSHGL WGALAEFFAG AAALAGAAIA FVPGIWDYVT NAFKR

> RXA01628 (1-1014, translated) 338 residues
LVLVGCSNTA ESTTTDTAGS TETSSQISPT TPVSTTEAAP PEDPSANALE EYAQILANPS
IYPLTEISQF VPTGTAYTL VEATSDSIPE LLLRADSHF APILVFTYDE NTQSATQAGG
VLIDGVASAG GSRVKVRASN SGAGIYQLNW YSIQPVGESS LYGIQGNSTL QIADPEDFMV
RELLPDHHEI TWVDSNDPSG LSTVQTGGAN IQQAAPTVPQ QPASNLHYFS GVVMTQTAGE
LMRGERTPNG EPATDLYLVL VLDSPIEITA RNAATDPQTR TISEVSLGRY IPADGDNDWI
GYLDTHVEIT ATTDQVWFPT DTGLPLGMLR LADYKSIS

> RXA01630 (1-1077, translated) 359 residues
MSDQKIVVGL LGITHPHASA RVRALREIDG VEVVAAADTD SRLQYFTDKY DVEPREIDDV
LNDDRINAIM VHSKSKDMVP HAKRALAAGK SVVVEKPGGG TVADLEELLA LKEAADPQRI
VQVGVNRLS ESVQRLKELL DAGLIGEVVS VQARGAAKVG EHITEHLNQP ADMGGVLWIL
GCHMLDALVE VFGAPESVNA RVHKTAKLSD DTSREDSASA LLYYPDFSVS FSFDGHDDLE
WFESSRLTVY GTKGMIEAGI LPQTLRVYLN ESRQGWPGW TEWTQSYFTP PFARTESNKF
SELPELENIS NFRTEMQGWV NSIRTGSRNV APVEDALTVA RIVSACYESD NNQGISVNI

> RXA01634 (1-552, translated) 184 residues
MAVGQETDLL NAMETLAGVP SDLVVTEILP DTTSYDNFEF FEVHNTGSAP VTIGEGEYTF
AYSFDDSDT SRDKALDLGG EVTVDAGETI VVWIEYSSST VDTAAFSEQD FRDFYGMDS
ARIFRATGQA GLANGGDRGI RVLNGEVSG WSHYPSDSAA VQKGIDFALP KVGEQASIAS
AHQN

> RXA01635 (1-741, translated) 247 residues
LIPGGDLTPE EPEAPEDSLF EGRTPPRDAS TRILITELMV NSTNMGSSDG FEYVEITNTT
AEPIDFSDYT LNYLYPQDEF TMTNEAVWAA EPGDVIIQPG KSLVFWIKNG PNDEATAADF
NAEYGTNLEA GKDLVEISSG GMANGTARGM QIQNTNGHIV NRGFYNMAGA SDVKANEGLH
FAVDESLLK QTLVGSGAPT PGTVYTSQIP NPLSAVIADS SVPLITDNTA TSINPAEPFT
FAFKYHR

> RXA01636 (1-573, translated) 191 residues
VRTATLHVTS SAGEAATTIN LTEDDGFSFNW ALPAADLTGK SWFEYTVTAT DGFNSVTTEP
VRVTVDGANT DPLRLNLEEN QWVSGTTDVI GASDVFGDKL ELLIDDAPAV TNSSLSAAPT
FAMEVTQTDV FFRNGILAGG EELRIFDQGT YANTETISTP VPLYHINEDG TLTVSUYAGT
KAAPEIDLNE N

> RXA01638 (1-390, translated) 130 residues
VLVTEDLLIE APFGFEMRSD EQSRYLEGPD PNLRIHVGVD PLHGADAALV AEELRRLITE
DPSLEEIPAG EWGEKTTIDY RETPGDGSHV LWVTWFDTR QLVNGCHSKA AETLVHKAQC
RNVIEHLTLK

> RXA01639 (1-438, translated) 146 residues
MSTQTITITV LETATIFDGP ETIYRYDLAA EGILDGWAHS AVLDQVKQIA GENWPTVEIV
VDGTDNVVNA LTSMFASKGV TCGGVGVEAP PVAEPPKIK RPTSGKQVRQ FYGIKPLHLL
LVSILVGSIA GIWGFVSLG QWTHGR

> RXA01641 (1-1371, translated) 457 residues
LAIDNALRVS IRIDLTVGDA PAAVADVALP AGSSLADILD EILELTDAPR ISRPWAHTA
AGSPIDCGIP LAETQVEQGS VVVLSPERDL EAPVLRDVAE ALVEFSSTNR AGHLVELMTF
AGLIGAAVLM TSPAASGIIV PGRMGIFVAI CALLLLWLPP AHTPILRNVL PITLILGAGG
AVSVLVAGTS GTSPGALTWT IFAGACTILA SSLLVHVYR PAILLVATLS TLGLGLLVLA
ATTTLWKLKA TEDFSGPAAI TVTASTITMC FAPKIAASLA GLRVPSLPTA GEDLSVSDLT
MTDPEKRIKT TKTLEDAQIL GLGVLSGPLA LLSVTPGTWT TTVFSLCIAV ASLLHANRHQ
APIPTWTLMG LSALGFISMA LSASRSGSLI ALIGSVVIAA VLVSVLWIS TVPTLEPTTI
VWLERLESLC LAASLPLALH LLDVFGMLRG LDIGFGG

> RXA01642 (1-1242, translated) 414 residues
MRRLIAVSLA ALFMLASTPA TRAQEVEALA CPEVAIADPS SAVLDEHLSQ SLSQAHQLAT

GAGVMVAVID TGVSLHPRLP HLIPGGDFVG AHQSPDVPGE LIDCDGHGTI VAGIIASQGN
PGTGWPYDGS SDPYIGVAPD SGIISIKQTS SYVRTREDSN VGTLLSTLAES IHRALDSGAH
VINISVVSCL PQSPDEAASF QPLTDALNRA ELQGVIVVAA AGNLGQDCPV GSTVYPAHSD
TVLSVSARFD SHTLAEYSMP GNQQILSAPS HIQAGLSPRG DGFASHMITT AGESPFEGTS
FAAPVVSATA ALLRQHFPFA TPYEIRARIF NSIDPARGAI DPYLALTQEI YPTTPLVHEI
ALSVPTPPDD SPRERGILVT AIIVGLLAVL AVLMGLRRIH HHSAFQKASS SVIT

> RXA01643 (1-426, translated) 142 residues
MGTMREMVSD RIDRLQEHAH RSKQKKFGFL VRPGTLILGW LVTIIGLITI PLPGQGWLTT
FIGVGILSLE LKWAKNLLAW GVHQYDRFFT WYGKKSFRFR MAMLALMILL IWVVFIVTFW
LMWHAGTIPW ADEFFTWLGL SR

> RXA01645 (1-606, translated) 202 residues
VVRKLWPRDL LRSSFYWKII GWDRKYSIAD RLEERKGRPA RERVVQDVEV TIDKLPEFLK
WFFESSDIEP LWLCPIKLRE VPGSSVGAGE ILSSAEIDS GAAEHPWPLY PLKKDVLWVN
IGFWSSVPVD LMGSDAPEGA FNREIERVMA ELGGHKSLSY EAFYTREDFE KLYGGTIPAL
LKKQWDPHSR FPGLYEKTVK GA

> RXA01646 (1-819, translated) 273 residues
MSGLVDPDST FLKTIGKLSN SLSIGRGVDQ KEVIPKGWNA HWEAITKLKR SFDAIPAGER
VRLAKKTSNL FRGRSDAGHG LDVAALGGVI AIDPVNATAD VQGMCTYEDL VDATLSYGLM
PLVVPQLKTI TLGGAVTGMG VESTSFRNGL PHESVLEMDI FTGTGEIVTC SPTENVDLR
GFPNSYGSGL YAVRLKIELE PVQDYVQLRH VRFNDLESLT KAIEEVASSL EFDNQVPDYL
DGVVFSPTFA YLVLGTQTSQ PGTSYDTRD LSY

> RXA01647 (1-888, translated) 296 residues
MPRGVPVGV DAPGLFSSTE EPEQDWFVCQ DVGTDGLHIT VPRGGLGPTL IAEGNGWLGA
SKSETGEVTW NLITADGRRE LPAWGSEHGR IMRRHLGISE DTPRVYLTTE LLNAIPEHDA
VRFPAPLPPEL VDASTRNWLRL LDGALAEITP LQRGLLIDAG SGVFPDPTAL LGVHEETANT
LTLPEQTVSW QDLDDGGFACA DGEQGIGFLE TLESGVALSG DSRAKSFSTN AGGAVGVDSG
FGYYVVSDFG LMHPVSTGES MVALGITDVQ VVPWSVLRL POGSELAKET ALAPTY

> RXA01656 (1-897, translated) 299 residues
MTETQETYQA TTRVKRGLAD MLKGGVIMDV VTPEQARIAE DAGASAVMAL ERVPADIRSQ
GGVARMSDPD LIEGIVNAVS IPVMAKARIG HFVEAQVLEA LGVDFIDSE VLSPADYTHH
INKWKFDVPF VCGATNLGEA LRRITEGAAM IRSKGEAGTG DVSEAVRHLR TIRGDINRLR
SLDEDELFA AKEFQAPYDL VREVASTGKL PVVTFVAGGV ATPADAALVR QMGAEGVFVG
SGIFKSGNPA ARAAAIVKAA TLFDDPSVIA DVSRGLGEAM VGINVSDVPA PHRLAERGW

> RXA01658 (1-1485, translated) 495 residues
DPQILSPTFT QQQQLRNFGY FPDQLAMDRF EVDGKLRDFV VAARELDPNA LQQNQDWIN
RHTVYTHGNG FIAAQANQVD EVARDVGSTR GGYPVYTVSD LQSNARAAES EDAEELGIKV
DEPRVYGPL IASATDGADY AIVGDTGDGP VEYDTRDTSSY TYEGAGGVDI GNMVNRAEFA
LRYQEMNMLL SDRVGSESKI LFERDPRSRV EKVAPWLTTD SKTYPTVIDG RIKWIVDGYT
TLDSLPHYSTR TSLTEATQDA VMPDGTQPPL ITDRVGYIRN SVKAVVDAYD GTVELYEFDT
EDPVLKAWRG VFPDTPKDG EISDELRAHL RYPEDLKFVQ RDMLAKYNVD DSGTFFTNDA
FWSVPGDPTA AEGRQELKQP PYYVVAADPE TGESEFQLIT PFRGLQREYL SAHMSASSDP
VTYGEITVRV LPTDSVTQGP KQAQDAMMS DQVAQDQTLW RGSNDLHNGN LLTLPVGGGE
ILYVEPIYSQ RKDQA

> RXA01659 (1-486, translated) 162 residues
PEAVTAVWME SDWVLAETIK GSTPSDWEEI LRPLALLTDA SFTLPPRSTR AQTLDLKHLE
PSRLKPEQPE KPAFTPNASE EDLSQPLVIR PEEPLQMPVR GVQESRGVVE PRSLGADDVE
SIAEGDPERP SDLYGTRVLR DLNGQSSIFQ DSTDADEPPK KW

> RXA01663 (1-435, translated) 145 residues
MEISVLIIAA LILVAGIVLW RADSSKQAAK KAESPVGSA PAPVLVEEEP DPEFEPELDP
EPEAQPEPEL EVAPRFAPEP VQDLEPDQAE DIYFDDSPDL DADVENALAE LTEVEDYPEE
PVQSEQPQAP ATAEEVADEE QRGVD

> RXA01665 (1-720, translated) 240 residues

VKIDELIALA AEQPTRISRR SGVSRSTLKR VGDGTSEPTL STLREVALAL GLDIKVAHH
ACDPFAAAAA RTLDASVPE NPHNQEILAW LHRFERWNIN DPLTLVSEAG TLQGITHRQD
AQFVKLNPRG IAELPELFQQ HKTKWALSGA AAATVIMGQI VLGNSIVWHE PAHDLDSAL
GTIVDVAEDA DLILLPATVT ELVGSYTQDR LNFVAPVQLV IDLHSLHMF EADYLTSGWR

> RXA01669 (1-732, translated) 244 residues
HNLSDALTAI PLWIAFILSR RAATQKYTYG FNRAEDLAGL FIVAMIALSA IVAAWQAIDR
MINPRPMENI EWVIAAGVIG FLGNEAVAMY RIRVGKRIGS AALVADGVHA-RTDGFTSLAV
VAGGVGVFLG FPLADPIIGL IISAMIATLL VGTIRSVGRR LMDGIEPELV EKATHAIWHV
KEIESIDRLR LRWVGHRHLG DATVSTSTSS LSEATAIALE AELSVKQHLP NVDEMTVTIT
PSKP

> RXA01671 (1-615, translated) 205 residues
MNHVVNFASH LEDAALKQAE ATATMPFIYP HVALMPDAHF GLGSSVGTVF GTKGAIIPAA
VGVDIGCGMI GVCTNYTASD LEGRDLVTLR DYIERVIPLS PGNYNSTTLK ETAKVKVAEL
EELAERDGDV LSHSPTWKRQ LGSLLGGNHF IELCLDELDR VWMFLHSGSR GVGKNIAHKH
IKNAQAQCKN EELPKDLAY LDRGD

> RXA01672 (1-309, translated) 103 residues
SPLATFRVAL AMSIIGLVAW IICVTVLYFG LNVAGVWQNF NDVIGGVGAE QTITFGLVLS
ISALLGAIGA ITVAVLAPLC AIIYNSIVDL FGGLQIQLEQ EVD

> RXA01673 (1-1035, translated) 345 residues
MSTNLLESTP PFTQLRTGVL QKYTPGLLLC SIAVLIAMIV NHFFSGVSPL IVAIILGIIL
TNLIQLPAST SPGITLASKK LLRLGIVFLG LQLVFSDILS LGFPMALVIV CIVAGGIFGT
ILMGHLLRMK PTQVLLIACG FSICGAAAVA GVEGVTDSSE EEVVTAVALV VIFGTLMIFF
IPFATKVLGL SPEIGGMWAG GSIHEIAQV AAGGVIGGGA LGVAVVVKLA RVLLAPIAA
ILSFRQRQOG YTSPDGKRPP VVPLFILGFL AMVVLSTVA LPDEVIAAGG FLQTALLSAA
MFGLGCGVKI QNLHVGVPK FILAFGSTTL VTSIALAGTL LTHLG

> RXA01675 (1-411, translated) 137 residues
MNEIPEWLTL VSVEAGKRLG RGPPLVFPE LVTLAVEGIE LIELEPSWTS DLPLPEFGFL
AADMVDFYDD YEFSEWIPGA WPLALDGGGG FFCLDLRAAN ADGEIPVVWV HASNLGWGDD
EAVRVAASLA DLLSPSK

> RXA01676 (1-756, translated) 252 residues
MILHGVVFFYA GLLVLLVPLG LGAGILGELF ITQRQTIIIV SSIVLIILGF VQIFGGGFDF
GKALPGLDRL QSKATVTSLG KGSFLLGMTS SIAGFCSGPI LGAVLTLAAT SGNSITSALI
LSAYGAGMVL PLMAIAALWA KLGQRGQQL RGREFTFLGR QWHIVSVISG ALIIAVGILF
WSTNGLVSMP ELVPMDTQIW LQEATFSLGS PLFDIALIIV AAGFLYFWN KRQKRKEEAG
RPKESGWVIN PR

> RXA01677 (1-744, translated) 248 residues
VNQQSKKWL PTLVVIIAVL LIAVVLLMYR GNASDTAEGV SAAATSDSAA ASTAASGSAS
GAADSDLTSLV EARDPSDPVA VGDVDAPVGL VVFSYQCPF CAKWSDETLQ QMMKHVEDGN
LRIEWREVNI FGEPSEGRAR AAYAAGLQDA YLEYHNALFA NGEKPSDDL SEEGLIKLAG
DLGLDESKFT ADFQSPETAV AIAQHQQQLGI DLGAYSTPAF LLGGQPIMGA QPASVFEEAF
EQALAAKE

> RXA01681 (1-633, translated) 211 residues
VEVLLLIAIV VGGGVFVASK MGSNNNKKQE EAKFADAQAD ARRWIERLGS QVLTIAGTDA
ASTQAIADAS ERYTAASSQI SSATTPRQAE LARESLEGL HYMNAREIM GMTAGPELPP
LEGQRNAGRV TEKRTIEQEG RQITASPVAT DETPNYPPG NVAGRVPVAG WYSEPWWASA
LRSGLWTAGS VMMFSAMFNG MAGVGYSAAD L

> RXA01685 (1-579, translated) 193 residues
MSFAIGITVH AGLGTTTSS LPVWTAASG LSLGWTTIYF NGFMILCQII VLRSQFKPQM
LVQILWAFLE GFLCDLSLQL TTWAQTDNYF VAWIWIIVST ILSIGVFIQ VLPNITFIAG
EGIVSALVKK FPNVEFGTMK QIVDWTFSV AAILSWITMG GLIGVREGTV FFAFFIGFFV
RQWRKLYLRS IGH

> RXA01686 (1-441, translated) 147 residues
MTSLRDLLVS TNADAAIADM SAFIEETVGK QSGISGIALK GAMGAATKID SDIVAKGSRR
LLPEIADSLD GLWQEYQNGG TAADFGAHLE ANSSTALDAI LSVADKNAES INVPGLGKVY
KGVRGKAAKV IEQELPAIGQ LIEKNAQ

> RXA01693 (1-1422, translated) 474 residues
MNTAPFKLEA DFASALPTMA APWQGEAAPN PELVILNDDL AYSGLDPTW LRTPEGVQFL
LGLNPEPLTK AVAQAYSGHQ FGQFVASLGD GRALLLGEAR SADGVLHDIH LKGSGRTOFS
RGADGRAVLG PVLREYIISE AMHALGVPTT RSLAVISTGR KIQRGSVAPG AVLVRVATSL
IRVGSFYQSN ISGGIELSQH LANYTITRHF PSLVAELSAP TPATYVSLFK AILQRQADTV
GKWTRLGFVH GALNTDNTLI SGETVDYGPC AFMERYRGDA KFSSIDTYGR YKFENQPMIL
GWNMARLVET LLPLLGATPD EGMTAAQEAL VEFDDLCEQA IRKEFATALG LDES DTGTVE
QFRELLYLHN PDITTLRLAL TDNTAPPSGF EAFVHDWKTQ DPDIAMRAV NPLFIPRNLH
VEAALADAVE GNLEKFHELL AAVTNPFDPPT AGPDELRLPS EEGFEEDYMT FCGT

> RXA01694 (1-900, translated) 300 residues
MQKITPNIWC QGTADAAEF YVNAFSEFPD GAELVLTVMKY PEAGLLDFQE PFAGKTLTVE
LAISGFKIIL INAGEEFTPN PSISFMVNFV AVRDENAKEH LDAVWEKLHE GGSTLMPVDT
YPFSEYYGWV QDKYGVSWQL MLSPREEKPG PAVIPTLLFG GAAQNQAGPA QENYVEVFPN
SQLGDRAPYG QQTGPATPEA LMFSQFQLDG QWIFAMDSGV EQDFTFSEGV SLMYEAHQE
ELDAIWNALS AVPEAEACGW LKDKFGVSWQ IVPDNMEELM AKPGAYEKL AMKKINIAEF

> RXA01696 (1-597, translated) 199 residues
HSDPVLMEVA YRQLAEQSDY PLHLGVTEAG PKFMGTIKSS VAFGALLSQG IGDITRVSL
ADPVEEIKVG DQILQSLNLR PRKLEIVSCP SCGRAQVDVY SLAEVTEAL DGMEVPLRVA
VMGCVVNGPG EARDADLGVA SGNGKGQIFV KGEVIKTVPE SQIVETLIEE AMRIAEMDP
EVLAAASASG MKAEVKVTK

> RXA01697 (1-726, translated) 242 residues
MFQGLKELTA AKGRTLLITV TVGLIAVLVT FLSALTAGLG HQSVSALKYL AGDNELILAD
SGSTTLLAST LSDQAVAQLE DEGAQMLWQV RDRVADTPTM LLNSPDLAPG EVSLPAELAD
SELATAHDVV DSSNDLYLDH LPVVLMTSD LASLAQVRGV TGPAGAFASD VALPSDTVAL
SGSERWNASA SYQGEQMSLN LMIVMLYVIS ALVLGAFFTV WTIQRLRGIA ISSALGAARR
VL

> RXA01701 (1-333, translated) 111 residues
MLSHEEIVAI AEDLLSKRYG GVQTLSDVEQ LNGSGTSAVL RARVANSPFL QQRSVVLKYV
PSTGDVFDSD ALVREIVSYQ FTTSLSEDVR PGPVILAYDI DKRILVISDS G

> RXA01703 (1-471, translated) 157 residues
LKYFAHIHAV VQAVSRKMTN FHGVIDWDTG DGDGGLFKGI LVRYLADVAI RLPDDSPNTN
ETKKIAARLV LESAESVWNH RLEVDGLPVF ATDWTTDARL PQNFGLSSSS LSDLVSVVRV
DERDLVQLS GWMLMEAAAK VAELENNGN SYTGRSR

> RXA01709 (1-330, translated) 110 residues
MRSGVDMILN ETGGEKMLAQ ADLVITGEGR IDAQTLSGKA PTGIAKRARA KGIPVLAVCG
QSLGPAISN ELFEDIYSFT DFESDINECI RNPLPILEGI GFNIAKHHS

> RXA01711 (1-1158, translated) 386 residues
MLLMAHRFFV LAINGAVTDD FTTVYSALRR FVEGIPVYNE VYHFVDPHYL YNPGATLLLA
PLGYITHFTL ARWMFIAVNL LAIVLAFGLL TRLSGWALRS MVWPIAIALA MLTETVQNTL
IFSNINGILL LMLAIFLWCV VHKKSWLGGL VIGLAILIKP MFLPLLFLPL VKKQWGLSIL
GILTPVIFNA VAWFLVPGAS EYVTRTMPYL GETRDFANSS LPGLAIYFGM PTWMEITWFL
IFGAMVGLAV LALLRFRNTE PYFWAATTG VLLTGVEFLS SLGQMYYSMM IFPMIFTLG
SRSVFHNWVA WVAAYFLLSP DTFTSRLPD VARWMEFFSA TVGWGLLIV TFSALIWFI
GDIRAKGTPS SPITTDPTH D HLERTA

> RXA01714 (1-615, translated) 205 residues
VIDSEATSQH KTSATPAEST PAEFSEAVES MHRARLRPEL TLGTIRPPQR LAPFSHAIGL
EVGNQESDD VSTNSEGDSF GRLILLHDPG AEETWEGAMR LVAYIQADM HAVASDPLLP
EVAWQWLNEG LEQAGAGFTN LGGTVTSTTS VRFGEIGGP SAYQVEMRAS WTATGTDLTA

HVEAFAAVLA SVAGLPPEGV TELRR

> RXA01715 (1-696, translated) 232 residues
VSELDIKQLN KLQYSQWAV FRAIPGALDD DRTEVTDQAA KFFADLEAEG KVTVRGIYNA
SGLRADADYM IWWHAEEFED IQKAFADFRR TTILGQVSEV FWIGNALHRP SEFNKAHLPS
FIMGEEAKDW ITVYPFVRSY DWYIMEPLKR SRILREHGQA AVEFPDVRAN TVPAFALGDY
EWWLAFAEAD LHRIVDLMHK MRYTEARLHV REELPFISGQ RVDIADLIKV LP

> RXA01729 (1-519, translated) 173 residues
VKLRTIPALL AVALLAGCSG ESADSQAVSA EETMEVTTTS TPVFEAKEVS PITVPSGDIR
VEDPGLNVEF IFRGTRYGTN GGSIIHIAVK NLNDVALPAD AIDPPTLDIE DYNGNKTNIE
TLSGDDNIPL DLPLGAGATT NLQYAFNTSN GSLSNAKFQI GNVIYSGNLN SLA

> RXA01731 (1-699, translated) 233 residues
MNASSISSRF KDLFVTPSIV FDFDGTALIG HGPVLAYALC VAPEGSKDFL ERVRRELRRY
DDGQSIYRDG YDIVAKLASE LGIDDGTMSV AYGESRKLKG SDLAPVEHVR GIKDILSSLK
GHARLVLATN APENGVDLL RQWGVADLFD QLHFVVGKPA GLISIISDLQ LDGPVLAVGD
IYEFDLSPAA QLGADTALVG ATATISEAKV SMRGDSIADL PLLAWVCSRV SSS

> RXA01734 (1-534, translated) 178 residues
MTDPIEQAFE RIRAEAMRRN GSVPDLNKN D AFRPPAPKG GVEKRKKGRA SGLDGRQKRY
VRGAESLGSV LNKEIQRRGW GKDIAGGWVT SNWEELVGAK IAQHTRVEMI KDKKLFITCD
STAWATNLRM MQRQILQVIA EKVGPNIITE LRIFGPQAPS WRKGPLHVKG RGRPRDTYG

> RXA01738 (1-714, translated) 238 residues
MRILPIGPHD EIAVNGSIVL LSEHDGDIVS VGPDLGTVRV TLEEIESLGT PTAPRDLGSR
EVDACVSLR NRELVRFDPH DGSELTREH SVAYGASGKP LFPRLDPAVI GIVELRGEDR
LLLGMNAQKR QRYSLIAGYV SHGESLEDAF TREVFEEAAR RVSEISYVSS QPWPISGSLM
LGMKGFTED LPOGETDGEL AETIWASPLD IIDRKIPIAP PGSIAYDMIN AWARDKQN

> RXA01741 (1-798, translated) 266 residues
MTHIALANSA QVLIRPDSAI QFGIDATRAG VLNIDPSLSS RVVPVLRNLR TARPVIDVIA
DLTTAGLAPT AASSLLEDLL EFGVVRESAA AQVLLFGDGS LVDVTSFLE TSGFVPRPQI
IDESPREFFE LPSSHILVLN KLAHSQRLSP LLHKYAPTYL CAAIVDNRG IGPGRRSRG
PCLMCVDLHR CDIDPHWLSI INQPPNGPTF PDPVTEMATA ARLVAWVTAD TWLPGVVEEV
NPHDRTNSVR TLPVHPKCPM CWSLGS

> RXA01742 (1-504, translated) 168 residues
MQEKPEMPAI EVIRSAKRTK TVQARIVDGO IQVRIPARMS KAEEEKAVGE IVAKLKRRTQ
SAVSSDADLI ERAHKLNTV LEGRARVESI RWVSNQKGRW GSCTVATAEI RISDRCLKHVP
DYVLDAVLVH ELTHTFIAGH SAEFEWADK TPLAERAKGY LEAYQRWG

> RXA01748 (1-780, translated) 260 residues
MADAKKQADK AAKKQVRAAK KAQRKETRSQ MWQVFNMQRK QDKALIPLLL LAILGIPLVL
FLIGLIWGGQ WWMLPIGIAA GVVAAMFIFT RRVERDVYKR AEGQQAAGW AVENLRSGVG
MTWRTKTAVA VTTQMDAVHR VIGLCGVVLV GEGSPHRLKP MDAQKKRLN RVAPGPVVEE
IITGNNEGQT PIAKLQRELK KLPRNYKKND VAALAARIEA MDNVGNAPGG SLPKGPLPKG
ASMSGMNRRA RQAERKGEA

> RXA01749 (1-1617, translated) 539 residues
VSFLVENQLL ALVVIMTVGL LLGRIKIFGF RLGVAAVLFV GLALSTIEPD ISVPSLIYVV
GLSLFVYTIG LEAGPGFFTS MKTTGLRNNA LTLGAIATT ALAWALITVL NIDAASGAGM
LTGALTNTPA MAAVVDALPS LIDDTGQLHL IAELPVVAYS LAYPLGLVIV ILSIAIFSSV
FKVDHNKEAE EAGVAVQELK GRRIRVTAD LPALENIPEL LNLHVIVSRV ERDGEQFIPL
YGEHARIGDV LTVVGADDEEL NRAEKAIGEL IDGDPYSNVE LDYRRIFVSN TAVVGTPLSK
LQPLFKDMLI TRIRRGDTDL VASSDMTLQL GDRVRVVAPE EKLREATQLL GDSYKLSDF
NLLPLAAGLM IGVLVGMVEF PLPGGSSSLK GNAGGPLVVA LLLGMINRTG KFWWQIPYGA
NLALRQLGIT LFLAAIGTSA GAGFRSAISD PQSLTIIGFG ALLTLFISIT VLFVGHKLMK
IPFGETAGIL AGTQTHPAVL SYVSDASRNE LPAMGYTSVY PLAMIAKILA AQTLLFLLI

> RXA01750 (1-1641, translated) 547 residues

MCINDPKGEL LKKNYVRMSK RGFQVVQFNL INNLKTDIYN PLGLAAEAAR EGNMGKCATY
VENIAEVFFP VDGADDPVWP NAANNAFKRA AYGLIDFYLE EEREMRKQAA AENWDKAVLD
TRIDQMVGKV TLYNCYQLFV QLSAKKLKNP VERLNERARA GEFGNLETDE NAAMMFQDAV
TEAEENEMFL WEGEKEKDML TLFFSATDGL PKSSVRTLVG NADKALKAMG GAEKMMASVY
GIAITAMSEFF TDPTISTLTS GTLSQNVDLA GLSFPRRMGV RFAAPYVKRY NLVGSQVKWD
AYSDAKFTKP LGKNFVHDDT LSVEGWARFY IKDSFPSNTA YLRLRILNGT SGTLIKTLTYF
KFTKGYQTNL KGRAFITDPV TDEKIIKNGL LIELVKNDAG DFVPGHVQFK TKKLNLDQLT
~~QEQINMPGHD MIKQVDAMVD AVSALNVRYS EKPKAVFFVT PPHLMKYAKL ILILIKQLVD~~
LNFDSSYMTR ENQKPDYKTR FMLDELGNLQ SEGHIAGFE TMLSIGLGQE QQFSATSCVA
KNYALAA

> RXA01752 (1-552, translated) 184 residues
MMEQDLSYRE ILPLNASEEK KKAALIDAIE GLRVRDPLLS ASIAFTRGQK VAFIAVVVGF
ILMLIFARQA ALIGLSATCT FMYLITLLDR FIMFSRGIRA ESIIQVSEDE ALAFPEDKLK
TYTVLVPAYG EPEVIAQLLA SMHAFDYPKH LLQVLLMLEE DDLPTIAAAE AAGVDQVATI
IKVP

> RXA01753 (1-1539, translated) 513 residues
MSNPSLEPLE PIELSDGTEI EVSDVDPEPQ AGNAQMEVPS LRTYVFRGII AIACLIIGFY
ESFVLMWQNL RIGVANYSL VVLMALVFI GLDRKRARAL NIHDREVDYI IGGIVVLIAI
TIKSQALLPRF VDWETLLRLD MFALLFFAFG ISGLVFGMRS TFSFAPGWIL LFGYNVAHL
IISVIFGGGF WGPVMANIIG LSLAVLVSSN RDLVQATYLA LMTVLFV VII AIIVWALTDG
SKFLTLVPAV LATITVVLVS SRWRLGQWKI RRRQPTVEKA GPALIAVVVA TALLAWIPTP
YVERVNNLPG LQMLAKPAPG VIAPIGWHID DVQYYNWASR YFGPGSSLLR QTMTADHYNE
AWDPDGLDRT VVVDTLQSAE RFQQRAFGDE TLYSTLRGRK SDTVQVDLGY GVDGRAYTVL
DETDFLTYYTK LVFEWQTTNN TVEKISVIAV DDHRAEAKFP ELAPSVTRMF IQVATILFRG
NDVTIDTNTQ LKDLDLVSQV GRQIVAEQQV GRS

> RXA01754 (1-1941, translated) 647 residues
VKIKSVFLST ALSASLLGI TPPVLGATIN PSLPLSALSS SDDIAVPNFA KELPLAFDVP
AGTVPQSLSG TLQIPAEFSG GVVEFYDGDR LFHTLRLEVN DSRAHIEVPL QSVPVEDGRA
TFWLRLMLDP VNNQWCYEEQ EVRFLDGNVT FEGATINPAV VADYFPSVLR ALTIYVPENP
SEAVQEATLE VATSLDSVYR RSGLDVNVET LPTGTDAPPT RPQDFERQIV LVDEATESNT
QKTELVPNGQ DNAFLRLNGN ADELYDQARL LTDATLPLAV DTEVTASGFG DVPNLSTDVA
TLQELGITQL TSESVA RTSV TLGIERSRLR TYSQSMDLHI TGTYTPLPPQ NAGQITFSIG
DTVLDSLTTD DTGIIDREFN VPGDLVNRYT AIVVEFTSTG DVNCGVTQPV GLNIDSDSLV
TSQHSDVPVL NGFRSLPQSF QPRVDVAFAD PSVQELSRAV SVVLGIQSMS SQIRPHLVN
WDEAVASERP TIFIDAAGAK TDQVPSYLAQ QGQTLTITSK NDQNADGEQL TRSLQTNAAL
VVGSIQAVWD ADKKRTVIVA SSQDNPPDL ALISWMGEDR ERWSDLNGDL IVKVRDREP
QLTTVEAPDQ PGRSATAFIA IGVSLVVIAL IVAAVVSISR RSQKGYK

> RXA01760 (1-282, translated) 94 residues
MAAFLEITLK INDEGRPSAA GUYQEYKQPF LSSIAGATSK ELLIREEDVQ VLHGCDTVAN
AEDYLSELF TADVVGGLAP LLQADPEIRI YQVA

> RXA01761 (1-1518, translated) 506 residues
ADANADFVDG VVDGAGRASF SNAAYSSDGT TLDGEGASVD AQGNPLHADG TPMSAAEAEM
KMAGLSSSGT MMEKSGVKSS GITTAADVMD DQSLASSVTE SGLSKIPDTY GADVSGAAGT
VGTGADYSA TDSSAGLNMS EAALQSGTPM GALAGGSVSS SDQAMNDAAL QIAASQGLAP
AGSIAGMEQL SAQATEAPAG KAGKQLGDLG GSALNTQLAS MGQQVGDSVN SAYAAGGMGG
VDVAGKVTEA AQHLSQVPGQ IQNAV TNADA GSSGASFGQM AQGAAGIAGV AGVIGAAGAA
SSAAQAGAGTV QGAMGNAAAG AGMINNAVSG GATGSTGAH VVNASHGPVA PGQAHYQESG
HAQAFVQNNQ ANTAHTANTR APSSAQIMGA NVAGSLASQA VRGIGQPGQM GANVRDAMGG
SGRSGGRGGA TQGGRGARS GVSANNGIRA QRGQKPSVTG QAMNAAMRSA AVSGRMANMD
GNSVGGTEAD PQQSGGVTEK GDKGVK

> RXA01765 (1-942, translated) 314 residues
MSNNVVKYEC AVDADNIVAV DMHVHLEVDS CGHKSMPADI MAASSKYFKT AERTPSADAI
ADIYREHKMA AVVFTIDART QMGHLPNSID DLVASCARNN DVLIPFGSVD PRTGEDALVE
ARRQVEELGV RGFKFHPSVQ GFDPSAPEFY PLWELLESFG LPCVFHTGQN GMGAGLPGGR
GIKLRFSNPM LLDDVAADFP NLTIIMAHPS VPWQDEANSI ATHKANVFID LSGWSPKYFP

ESLVRQSNV LSKKVLFGTD FPLITPEKWL AAFANLPLKD EVRPGILKDN AVKVLGLAAS
TERGSQAEKV VQHA

> RXA01767 (1-336, translated) 112 residues
MIDHKLWFNT VTNNASVREA AGKCDIPIRT LNEQLNRRIL PEKTVIALAR AYDLSPVDAL
VRTGHLTEEE AGSREEDASP DSADDYPTWA LNSHLDYGIL GAFGDIAEEV NS

> RXA01768 (1-378, translated) 126 residues
MSESTSSANS TTILNDTFNP KPGVPYARVD NLEFATRDEF RAWATAEMEA GNVISATIAN
APREDRIKSF VMDLVRDGID DAAEEIVSRI DSGDFTMKEA LTAIAASIND LDADDVVS DI
VENHFN

> RXA01769 (1-429, translated) 143 residues
LGRAPHSLFF PIGFYYTPMT SITTTDTPLY TALPHTRISD AELLTPTTTV HEILVYGP AE
CPGCTATLDF FARKNMPATK VTVAAGDVAH TYITQDLGYL QAPIVTVRIS SSASNHDNEH
NTQILHWSGV NRYLMQALSR THF

> RXA01770 (1-3765, translated) 1255 residues
MPIIIDNLNS DDDSTIGTAT EYNPDTDADL LDAINADADL DGDATISTNA TEEGVDAAAE
KPKKKRKAPA LKPKGLTAKF FHRDLTG VGG RTGRLNKNVH PTNPDL SYQP VSDVYTPQSA
DHKG IKT RYI LTHPTPAVVL SESISNAFHV STLRRNNNVN NSDSELAAWP YLYQLDIPQL
DQMINVADIC DYHFGYNLW VDFTPQTIAL RSGKTVLDDG TTASDNTHV YRVTVHVIA
GQDHGSTLLD DQGNQVLD RD DNP ISTPSIK RIGAVTDLFD HNPFGFASVN SFAFVDFS WD
PATTLVDMLN NLDSYLSNHI NIASSPTPIA LDMVVLNEWS EKS YQLCERV VAQAKLINSN
KITAHVSDVI KQNAHNILWF TEQMNPGTTN LSEVPISKKS MLPMSRQLRI LEHYDVPLTA
YSALFWTVSA IKNESMVQYL VRQNMQLTLS SNLDALNSIV SQLPVPDKDV VAASGYQIQP
HFSTQQREAI TTDNPLAI IQ AGAGTGKSTV ILERIEYLCA AGTNPEEIAV LSFTNAAADN
ITAKNDKVTS MTISKMVHEI YAHNFPDHEI STIDTIINTL DIEYGDQMT SDYMIQLRDL
LYKVM TQGGN ANLTALSIFM ESHIEAFISV LDQIKQTSLE LEI IICYLLL DKLIEPHASP
KYLIIDEVQD NSVFEFVFAL RFAAKHNTSL YLVGDSSQTL YEFRSANPKA LNSLEASGVF
GTYRLTTNYR SNQEILDFAN IHLSDIEANQ FAGIQLYANS FDAPTADSEK EKVELDMHHV
SKQSEFTDSI PYFMESNKAR FDAAILNNEQ TIVLAHSGRE IRAAQQALAE MYP SITVRNL
QSDKGFNNTV FSTFIKDFWF EVTAVDPAHA AFTFTSQVTA HLDKLV RGKR EQMEDRVIRS
MAAWWRENER DIQGWVQQTQ SGAITNEEFF YRLRQCILDY EIRNNRARQS MLNARNNANK
EAVAQEKPLL MVSTIHSAGK LEFDNVIVLQ KPSSDAEMTE EGKRATYVAL TRAKKRELII
AGSTRAYPRI VTDYEQIVDL LEKRDEERKI KEEEAALAT LEAEQETRAL AAEEAQAL
LLEHNPWLRD LSDEEVTALT EQEIINNVEP ALQIEEEEE ARALAAAEPA IQQYLSQF AF
DEFPPDDNVA NTVVHVAPQP ILHQAVPADV TVQSSTAPVT PVDADLEVTT VAADPVEPTI
VAAQPEVDDN LVYSTSTPNS HSDVIAVNSD TSENAAVNPV LSDIEALRAI FNNQD

> RXA01771 (1-702, translated) 234 residues
MHQAGQLIND PSQGLWRTSA LRSPVARVGH AVLRQRAGEI SRMQGREFSR PGDQFRQVDL
RRRLIQVHPQ SIPTADAMAV TITMALTAAT IDPVKFVADS QNPDEE IYLA AQIALREMVI
AMPLEDFIGV RIDLEPVLVA AQAAAKNVGV EVSSILLKDL NLPQEYSGAL QESIVAKIQA
ETDLERARNE VKTTRARLAS AKVLEQNPIL AKIRMIEALP PGSTIEVREG DSKA

> RXA01773 (1-411, translated) 137 residues
MITHIQAGLH LGGCRAAGLL PIPAHIDHIV RLTAADFYDT QSAPQLLSNT VLDVLDTTTQ
DLKALWPVAE HIATTIPESE NVLIHCQMG I NRSAALMTRV LMLRNDCTAD EAIALLRRDR
SPFVLFNEHF VEQLRAL

> RXA01774 (1-783, translated) 261 residues
MSPNFQARGT TAPTVALSMR QIAHIREEIK KSPLAASVFI TPTTKQMVVR DLES LFQQLY
HTDLPEPSIK DSGLISAIGS SAGNTNNPAL ALETQMAYHL VLAMHHTDVA TWHKVVT KNI
TESAAAQDAA VEHS AKYDAV YDAAQLMGIT VEEGNVGSIA IAFSTARADG KSDWCVSGIS
RYIEVTEALD AARAVTKNTD ALNK TALPDV QPAPVVHSAQ FMNKS AHDHG VNTAEKDQPT
CLKTVHLQPH RYPRTGFKA I Q

> RXA01775 (1-564, translated) 188 residues
MSYSLIISKA PTHSMFPNEA ELLELVDELH SDNTVKKPVI VPLPDDFSYT VDSAVRLHDL
GVDQELTDWI TAQVAAAYPN QIVSEIAAAP DPQAKTLFSA NAYNTRSF GT FWTEHPITQL

QYKRCYQIVI ENVTGVYHPL PVDNYRYVPP VTPSLPQPVY HEAIALNESD VADHGTRAACK
HAMINRNV

> RXA01776 (1-1452, translated) 484 residues

MTHTDTPAPA HGVTPSEFAV TSHELTTSTPT PSPTQVAIAA QEKIRQRKLE ELKAKKRTDT
TAQPLLPAFV LHTRPLPSPN PPRPSPPAPT TGHWELLIVR SQQKMTAAN PFLKFLHLGK
AFNVKDLGLT CDRRTDVLDS RLGLNPPSS LILELATALD LHPFLSVALS SHSAVNARRN
QLELTLHNHD TQGTALGHSV TMVQLPEVIN-RAAVEPYIKP-KGSGNDPLDQ-SLNHRAPTVS
DVQKALVQEN TGTATDSNNY LLPFDPDSGA PKTTALNAPN KDLLQARHEL AYIPEIPAIA
SWLDHLDPIIM RVHRSLSLSI FVPQLLRAAV ENLPHNVTDL HNHLDPEDLL PEELTTWLDH
LFDADLTALA SCPQLAPPV RSHNHAKAIA AITVTSVMDA LIAKTLDADH DPLPSLPEFV
ELLRDAVAQL AAHFKQQRGE VLPQPNGRLY ATDFGLLSYI ADGLHEYALA IDFGLIYPNE
LITE

> RXA01777 (1-459, translated) 153 residues

MSRIITAPVH KPYIIAREVK GVSHVHDTV GKWQATLHTL KPGPSWPKPS QFTAPKSTSI
WFIIVATHPR NPRARKGTL GRGGLYELKD TDLNFLTERQ DLLATSTSRD PEDCRLRFNS
RHDA AFLHA NARHINKLFH PALGHARYDL IDV

> RXA01778 (1-1137, translated) 379 residues

MLYQHTTRGL IISDAIIAKI SQVNQLLLLR PTLLQDKDMH HATLSSDTPS IRSRRRSYRE
NKAAYATTST IRNRETFEST SDIDFAILMI QDVQESLVSF DPTLAQDMKP RTNAVISALN
ELREPLDTFY RAHEYGDIIS DGAYEFDHAA IDAQHSLSEL VAGLHNYDNL MFPQETAPLM
SESNGIQLAQ YYKSTKLDES QLTVEPNEPG ISIMWHAHDF TWSCLVRYDD MNRYPEHFSI
SFKDMLIPEQ IYTFHFTPRE AMQLRKGLFN AIAAYKSQTW GDENTDLTKA ELEFGGTSMT
FRAGLSQLSV TGPPDHRQVF CLSSSGREDH NTPPNMRDGH VIDIAVTQLS TLRNLIRVLC
TTHPDHSPAL LPYGQQYTI

> RXA01779 (1-1419, translated) 473 residues

MRYTPRTHRA LGLAALTATA LLLSSCSTTA DLLGADSV AQ AVTDGGSALD PTAHVLTIT
NATAMTLAEL PENTDPDAAN NTEPTMAQSA LKRIYGLEIA ADGTLIAVAA PLTSRNSGSE
QPTVAAMADP ENNAELTTHA ILEIDPATGT ATPRQDIALT EDFQTMASST SQIRNGWGT
QLIGQHPDDP KQPIRSADTW TVTGSTQITG FNTNTPGTGE DAAVTMPATE PAVGLCALES
GSDAPLDEHR ELSTSALRTA SVLSSSGSAT LKLHDPMVMS ATGIVQARAY VDGEVINQHE
IGDLREQLGI TIEESEAAQA ESDAQATDH PLAALGLSNP TSSALVPGLA ELDCLSADQA
ATWHNRDTSI GTGKPSVLAV INAEMADDF LQLLSSGATT AETQLAQLPD ETAFVLIDPS
SGAVTDLFFI QSLNTDLPAP TTQINSIAVD ERDPNIIYAT FSGDDHLYQM MLG

> RXA01780 (1-375, translated) 125 residues

MTFLHPKAAF YPLTMDHLTD LGLDPEQLIN ELPTITYDVQ PHNVFVLQFS TADVRYQEG
NTLFIASAE INPELRQRQR TQLNDDLNNP ASLRVCDEIS GRSTVFLKDK SVVTHDHGTN
CCDSA

> RXA01781 (1-261, translated) 87 residues

VLSLTITGPI AVIPHPNDEA SAKAVATKHK HTLSGATSDH PYAGMTLKDM IEQGFTLTPL
EFPLCAVDDP TDSRTHMVI NVREHSM

> RXA01782 (1-396, translated) 132 residues

MTTFALIASP NNVDPTAESP LAIEIHTDED SSYPLGLIDS DHLVPAVIYG DMVIYTKTLL
AQTPPDDVST ASAFFDKLTA LDAQGRTRDL VYSATYSQLV IAGHNRTVLT DSEFYDEFY
QVIEAAPGVI LK

> RXA01783 (1-237, translated) 79 residues

MINLFAAALP AFEPLSITSI LVLGAVALIC GLPVFLALEK SAELDDLFAA LIIAVLLGFA
AYTFVLPKLV ELGCTICQL

> RXA01785 (1-576, translated) 192 residues

VDQFVEFGGG QANINPDGSA TVDWEFSFSI NFYDGLVPFT ITNPHLEVSV AGTGVLTGDL
TSYAVEMSNP NEKTPLTDLY EDVTITTFGG VNLDPEGVVT SNPDYDGIV DVPLDATSQV
TSGAGWGAWP QGFLDFHFD TNLPSYWYSSD GAGDPKKAPM SFNVDFTN GP GLVNSQLLHR
QVISMPETKA VS

> RXA01787 (1-354, translated) 118 residues
TEKIDKAQPP VDQLGSFLHG LETSVADLGV GDRVFLPRFS TFDKKLGRYR IHTVLGFAEN
DPFNPMTSSE RFKKGKPYVDM FDNQDNFNP NSYITTDTVR IVVDPVPETN PDDEKAGR

> RXA01788 (1-441, translated) 147 residues
MSRSYPIYII SFAPADDLHG VGGFEWVPAS TPENKAAFT TFDRQFDDSR NNGGSHIVRL
LNISDPNITA DMTQDDITAY LDSNIDRWES TEHALKQFVP LNAGADRVPT GGADHITHA
CRIITVQRSC TRIHLRCGCI PTPQHRP

> RXA01789 (1-642, translated) 214 residues
MPHNPIELHT NDVLDALDID AICDDVFLYT DFEHTPGQLD RFEQLAFTKI YDMLETAEEK
FPDVAINDTL STGNHAAEQY FLANPGNIIV LTSFALNQT DLRDLIISPCI KYTAHARALM
RAVTRTLCTA NNPVERATIF PVSANALSI EALCSEYHAF RTKQVLNTAA LINPDNTLIP
MLLSKAYEAY AWHKGVESAQ RGSNLAREYY AGLI

> RXA01790 (1-60, translated) 20 residues
VLIAEDIRDM DDYGEDHPDL

> RXA01791 (1-363, translated) 121 residues
MTSPTTLKPW SIRGPIDGEY TMLEAYPFQY VANTRPAIML YALDENGVE QYADLTINLA
DVELKQLNHV IINPDLHADV TELCISAGLL RGPVLGQHQV GSTTAKVYRL TERADGWLQL
F

> RXA01792 (1-273, translated) 91 residues
MPQYTITITD EQKAVLHSLT NPHIATAEHG AITAIEIHDD HDVVVYHVQP DGTLYERLV
EGFHYGWTRF DSEGFEIDSD NNRVVDGLRD E

> RXA01793 (1-234, translated) 78 residues
MAQYRVSFIA LAESTIEVEA DSPEEALDLA NAEFDYPVTL AGDPYELHDW EARAIEIWL D
TSSTPQQRLG EHVVKIED

> RXA01794 (1-234, translated) 78 residues
MATHRVHFVA TASAYIDVEA DSPEDAIEKA YDLAGDLPGL IADNEFDLGE WEVQADVQWP
DNSVPREQRL EEGVDLLD

> RXA01796 (1-483, translated) 161 residues
FYCPSDQDAY VDLTLFDQMR QFGAENAPLA QMYIVAHEYG HHVQNLEGT L GLSNYNPDGA
DSNAVKIELQ ADCYAGIWAN HSSEGPDP LL QPITESELD S ALLAASAVGD DNIQQRSGGD
VNPESWTHGS SQQRKDAFLA GYNTGQMSAC DFLGRGVYND A

> RXA01799 (1-1194, translated) 398 residues
MEIPLPTSLI DVITDGALGQ TCIDQAFAAQ LGRVTGVEFN LSDDKTAAEV RINKASGSPF
DTTGEVIAWI NNQEFEWVST RGEDLGLPEL QGIQPLDDDL ITAARTLYSN APAFIAPLRD
GRRALVAINH TPKLVGIRRT LIEGLQALKP GTDLKRALTS FAAFCELGIR FDDNRISFSD
GTSLLLRGGK VIEIAGGLSL RDVRADAAFM SAEHQLLFDA ISSSHNVTFD PHTNVATVAN
EHQVHAIPLA VIDGTRWVWT WSLKELNGQA TEGLARFGFD NGLLLLTNAE ILAEEATAFN
LIDVAKQVLN TWHTIVQQP DGTGIVLLLD HPRQLQPPAS HAAVEATLYH QLPGDIDARR
AVASYAAHRQ LPFDGYALT V EGQQVGVTFD GEHLTKVG

> RXA01800 (1-720, translated) 240 residues
VKPLGKIAVP WTWYLGIVGV IIFDVVAIT MLTLVPNKMP ERVNSGLVAL GGSYAPPMR
ETLIARVIAG AVLVLVISLG ISLLISAQSK NLASDHPDAS AIQIARRWAF LNNIQSCIGW
FSFFLAAILS ISSRLNGPG ATTHLEMAVY IIAVSVLAWA LMISLRRQV AIDRAIPIRE
DDSELKWGMI YHDASDKRVF VELDDGHTTV INMARGGAWL LIAVMVLPAL AIVGWVLEN

> RXA01803 (1-960, translated) 320 residues
MRKKKDGQNL PDFRKNPPKL DKKAYEKEK RLQAEVLVDLQ QWVETGARV VIVMEGRDAA
GKGSIAKRIT QYLNPRSARI EALPTNSRE KGQWYFQRYI EKLPTAGEIV IFDRSWYNRA
GVERVMGFCT SQEYRRFLHQ APIFERLLVE DGIHLRKYWF SVSDEEQIER FEDRLSDPLR
RWKLSPMDLQ SITRWEDYSR AKDEMFIHTD IPSAPWYTV SEDKKRSRIN VISHLLSTIP

YEKIDRPLPE IPHRPDSESD YVRPPRDEF R YVPDVAAHLE EERIKKEEKA KKAKKPAKAA
GKNSDKQKSS GGKGGKKSSK

> RXA01804 (1-321, translated) 107 residues
MHIVNIRFKP KAKYVDTRY TVDKFTESTR TEEGCLYFDW FRNTDYPGEY LVIGVWTEG
ATEHKKSEHF LRAQETLPPL LQQTPIIQS EFSKKKGWER FSDFTVY

> RXA01805 (1-330, translated) 110 residues
VVVVILINVK FKPLPEYVDT FREQVAEFTE KTRAEEGNIF FDWSINTDNP NEFILIEAFQ
DDAAEAHVNS DHFKAACELF PTILSETPEI INTLIEGKTE WDRMAEFAVN

> RXA01806 (1-480, translated) 160 residues
MSSLDNAPLL ELDVQEWVNH EGLSNEDLRG KVVVVVEVFQM LCPGCVNHGV PQAQKIHRMI
DESQVQVIGL HSVFEHHDVM TPEALKVFID EFGIKFPVAV DMPREGQRIP STMKKYRLEG
TPSIILADRK GRIRQVQFGQ VDDFVLGLLL GSLLSETDET

> RXA01809 (1-636, translated) 212 residues
HIRHEQAMRD GHQDLSVFGV ADGAIMLEEL KNRYQRPPEN EPHDDDVTEM IKTTEETEKE
NVEMDQDIIV VDNVDEQVVV TPAHDADSVV VVAEQVVASE PTPEVPKVE HVEMSVDLG
ETITPIDQAI RSFMQLNGIE HSVVLRRLGL MTQVAHNKEL DEVYAKALAE GESHAQQQHE
LEAENERLKK EVDALAAELS AALMGEGGGD HD

> RXA01812 (1-1230, translated) 410 residues
SFNDVDPVAVT HPHLTVIYPP LTPASEEKFN KITSVAAVSK RPTTLPYFRA DGSPTRGFAN
FSTGGIHGAE YNEDRFDHDQ DLHTVATREF FAILDATLAA LYAAHQAEPE SADYQIAQDA
LAWAKNVLSQ OKLIAKSPQL YNPETGVITYE WEFVAQAQAW IRNKPVEVIL PTGESMTVKH
KSVLASASYP LRDNVAYWRS EPKTPQLFPV AKSGGSSLEK KYNYSVGTG IHEDFSSYYP
LLLNTMAAFT NADLGIDEKT GRPRDRYREI YEQKEIYGAQ RKDPSIDEET KQRLGILREG
TKLILNSATG AADAGHDTPI LMNNRVIAMR IIGQLFSWRI GQAQSLAGAT IISTNTDGLY
SVLDMGTNQR VLDEHATAIG VQIEPEELDI VSKDSNSRAE FLNGYINAA

> RXA01813 (1-630, translated) 210 residues
MVAIVVVAIV VVGFIYIQQG GSAAKLGDR DYEDTSLAME VGSDSITLTS ANTSADAKSV
QLFEDFSCSH CSELSLATDA DMKTQIEDGN LVVEIKPLNF LDRENIDGHS THALAAALAV
ADSNDATLYW NFRAFLMEDQ SEIYNQWSDD DFADGVEALG ADSSVDAIR TATTSSAHTT
WQPQTVKNSL KKPAACSYHA FFKTARMLKA

> RXA01815 (1-792, translated) 264 residues
MNRSTISPVE ARQQFRAGLI QPTSGWSAGF AQANLISMPQ BLAYDFLLFA QRNPKPCPIL
EVLNAGETFG GIFGSNATEA DIRTAPQYR IYAHGELIDS PASAVDYWRD DLVSFIIGCS
FTFEHPMVQA GVPVRHLEAG RNVPMYETSL ACRPAGSLSG NLVSLRMIP ASQVADAVRI
TSRYPVHGA PVHIGDPSLI GIDDINNPDF GDAPLSEPSD VPVFWACGVT PQAMVMSSKP
PLAITHAPGH MLITDAPDLG FQVP

> RXA01816 (1-732, translated) 244 residues
VQLLHTPAAI SISFDDPNLI STAGLVPTMA LAEDRLTVPT DKGANPGAKI TTLIAGMVAG
ADSIDDIDAL RHGGMHRLFD WIYAPSTLGS FLRAFTFGHV RQLDAVASRF LVGLATQAPA
LVPVDASTSD YVFIDVDDTI IKVHGHHQKQ AGFGYSGIRG LNALLATVTT PESAPVVVAQ
RLRKGSCGSP RGAGRLIADA VATTRRLPGM EDEKILLRAD SAFYGHPSIS AAIKAGADVS
SRCG

> RXA01817 (1-633, translated) 211 residues
MTPNVKKAIA QVPDDAWQTI KYTNAIFDED TGRWISVAEV AEIPFTAFTS RKKTDHIPGL
LVVRRIPELN NKDQVQPLG DLHRFHAVFT TADPGILDTV AADKTHRQHA IIEQVNADVK
ASALAHMPSG VFTANSALV CAVMAFNLTR TAGVIAAGAM ARATTATIRR KLVAVPARIA
RSARRLILHL PRNWRWETQW SRLCDHGRLP P

> RXA01820 (1-1374, translated) 458 residues
MSASFDDPNL ISLAGLVPTM HLADAASLST LAQDRLSITG DKGANAGAKI ASLVAGMVAG
ADSIDDMDVL RHGGMRRLFD RIYAPSTLGS FLRAFTFGHV RQLDAVASRF LVNLRQAPH
LVPPPPAGSG GNGYVFVDVD DTIIEVHGHT KQAGFGYSG IRGLNALLAT VTQAQAPII

VGQRLRKGSC GSPRGHRLI ADAMTTTRRL PGMEDKKILV RADSAYYGHP SVSVALRSGA
DVSVTVRMTP NVKKAIVAIP EDAWQTIQYT DAIFDEASQS WISLAQVAEV PFTAFTSRKK
ADHVPGRLLVV RRIPELNKKD VYQPGFLDLH RFHAVFTTAD PGVLDTVAAD KTHRQHAIE
QVNADLKASA LAHLPSGTFT ANSAWLCAV MAFNLTRATG VIAAGGMAKA TTATIRRTLM
AVPARVARRS RRLVLHLPEG WTWQPQWQKL FDHGHSPF

> RXA01825 (1-270, translated) 90 residues
MPKARVTKNE TAPVSSNPSA NRTPVKINSA GTPMWYKVIM FAFMIVGLAW LIINYLVGPQ
IPFMADLGAW NYGIGFGLMI IGLLMTMGWR

> RXA01831 (1-462, translated) 154 residues
MDSLVLGLR IALLVVLWFF VLMALRAMRA DLKVTGQAST SSSSVAAPQG LARAFNRSSP
PRLLTVVEGP LAGSSIEVSE DMTMGRSPEC TFVVGDDYAS GMHARVFKRG SEWFVEDLDS
RNGTFVGGTR IDQPEQIAVG TDIRIGRTAV RLVP

> RXA01834 (1-702, translated) 234 residues
MLGGGGAILA IPLLIYGFSE SATQATAASL IIIGLGALIG LISQYAAGHV RLKEGLSFGL
LGLVGSFVGS HLASNIPDSL LLSGFALITL VVALTMISKI RSTREYITRR PSILAIALSA
TGVGFLTGFV GVGGGFAIVP ALIFALGFSM RQASATSLVV IAVNSAIAMG FRYSDLASID
WSVISPIIIT TVLGAFGSVK LAKKVAKSSL QLGFAGFLIF ISIYMGFQNF PDLF

> RXA01842 (1-918, translated) 306 residues
MSKVYVSNEY GGPENQELIT RNTPPQGPGE LGVKVHAAGV NPLDWKVRSG VAGTPRELPA
PLGEEASGIV TAVGDGVEGF AVGDPVLGLV APGVGGYAE TLLVAESTVL KPPEISFTDA
AAIPVAGASA YAGTHQVELE PGQSLLINGA GGGVGLMAAQ IGRVHKFQVV GVDHEDKREL
IESTGAIFVA TGDAVAEQVR ALLPDGVDV FDLVGGEALR VVAPLAKNPA HVISAADAAT
VGELGGQVLR RTPEMVGQIT GVVQYGLVDP KVDTTYPLEQ AGKALAHVEQ GHARGKIVLE
LITSQD

> RXA01844 (1-180, translated) 60 residues
VVSIAQELEI IEDGTGAVLV SEQATTFDNG FIGYSYFTTG TDGATCITDL RLRASPLPQV

> RXA01845 (1-408, translated) 136 residues
MISNSWAIET TCALYLPVEA LAEVVDAYPQ LALAIMRMQQ DQLVRSRERE TAQTTSTVEQ
RVAAALQHLA AKLGQIRQDG SLLQVRLRR DDVAGTTVES ASRAMARMKK TGVIDSGREW
IAITNHQALA DLVAGL

> RXA01846 (1-258, translated) 86 residues
MSIPGNVSYV AQGGTGWDGA DQYTTGESWD LQSFLNSTD YLMIIGGSLL ALVGGAIVW
GFVNVMRKLF GGQSGQQIQW FTTILL

> RXA01847 (1-735, translated) 245 residues
MLIVLPPSET KTHGGSGKPL DFHLSFSPSL TKARQITLAD LQALEVDEAL KVLGISEKLR
PEAESNRAL TSPTMPAIFR YSGVLYDALD AATLPEKALE RLAIGSALFG VIHATDPIPH
YRLSGGKLP TKSGELPTMK ARWGTSISEA LIDVNQLVID LRSPTYQQLG RVKDAVTVRV
ESVMEDGSRK VVSHFNKHYK GELARVLALS EKEAHTAEDV MSIAQAAGLV VEENPNHKET
LTLVV

> RXA01856 (1-546, translated) 182 residues
MNPFLSDTLI VQQTSSFLSN NFEIYNPDGE VVIRIKTEGS LGSRLVKGDR RFTLEDAFGT
PLMQVRDPMN FVRDTEYIDD PNGNPIAHVR KRFTFFNKRM DIELPGDRVI EMHGNFLGFE
FEFRMGDRIP AKVTRKWSGA GNGYLGRSTY ALIFDEEAPD EIRKVIIGGM VALDLIREKE
RN

> RXA01857 (1-651, translated) 217 residues
MASRRFRMML TASITAASLG FSLTPAIADE AVTVATAPSV GFDSGVERDA PFTAVPHDVV
LGVGATQSEL IFNWITAQGL TGQVAQISLD DTFASPITVD AVSENVSIIVN TEGDSRDRAE
GEYVEYRDGA VNRATVDSL AENTTYSYRVG SEADGWSEVQ TFNTGTGYDN WNFLFFGDTQ
LYNTHSNRAE EVQNWANNLE RRPTNRKPRN LLHPLRG

> RXA01858 (1-573, translated) 191 residues

MFMTPRALTE DNELTLALKS LGGLMVSPNE CSVVTEVMPT WRELWHQRLR WORGALENLG
 AYGITPQTTR YWFQQLGIGY GALALVAYFA VIIITFLARD QWIWYPFWML LGLLFMIERV
 LTVWRSTWFA RFVAALLIPE LIYASYNLNV FLKGVVDILL AKQAHWGEHG DKTMQVADAA
 AEINDEGEER R

> RXA01870 (1-675, translated) 225 residues
 VGVAVVLLLL PTLINLVVPD KANDYKQLEI DLLGVDWSVP ITTEESAVAL CEETSDEITQ
 KYWDCNGDIT VVTMIVEGVK DPSNTLRMV GSSLITSVDD SLEAVSSEDG RAHALYVPGO
 QEGSLWTLPI VALSVQSGSD YEDLTALAI NGTSLDYIST HIWSSMAADR GLPYQQDFPL
 MLEEEPWQDT PGGDRPFELP NDFFDQYPDL FPGSVIPNL EGESL

> RXA01871 (1-963, translated) 321 residues
 MSRMFSITLW VAILLSTPAL FLSLATFIFV DGISVLVNIV FAVLYLVVIV FLLSRTPLWP
 RFKGSQSKKG GGFVAWASSL LWGAFVFGFI VMLFAGPVM LDTKLWDFV AMSFTGAYPE
 EIAKALGVAI ILLSFRQLNR PWHGFITGAL VGLGFEVNE LLYGATGAIM DPNADLDGVL
 MMWQYRTMLG PLIHTLLTGF AGYGIALAFF RARKTVAWRW GVAIGWTLIA FALHFSWNLM
 WENVIGSYVT IIVVSVMYV LAIYILWSNW AEARNDSYA FVPGIITNTK DLSLLDAPIF
 VGAEPESRI PQQIEEPKAE N

> RXA01874 (1-348, translated) 116 residues
 VIAYVASACC LPFGAFAGAL LSKELSGHLQ ERVLLTHTVI NFLGFVGFAG LGSLSVLFAA
 IWRTKIRHNF TPWSVGIMAV SLPIIVTGIL LNNGYVAAQA WPRTWQHGCW PWWGGG

> RXA01875 (1-798, translated) 266 residues
 VDSLLNKGVA ASDIVAIVRN EEKAADLKAR GIALGVATFE DEAAALTALE GVDRLVFISG
 SEVGQVAQH TNVINAAKAA GVTFIAYTSL LNLGTSKLAL APEHIATEKL LAESGIDHAL
 LRNGWYWENY ESSIGAAKAT GKVFAGAAEGA RVSAARKDY AEAAAVVITS DNQAGKVYEL
 AGAPALTYPE IAAGIGEVIG SEAAYVNLVS EYQNALEQA GVPAEFAALL AGMDPIIAEG
 ALYSDDTLQ DLIGRPSTSI VEALSS

> RXA01877 (1-1065, translated) 355 residues
 LRLATGGVLA TLLIGGVTA ATKDKIIVDV NGEQMSLVMT SGTVEGVLAQ AGVELGDQDI
 VSPSLDSSIS DEDTVTVRTA KQVALVVEGQ IQNVTTTAVS VEDLLQEVGG ITGADAVDAD
 LSETIPESGL KVSVTKPKII SINDGGKVY VSLAAQNVQE ALELRDIELG AQDRINVPLD
 QQLKNNAAIQ IDRVDNTEIT ETVSFDAEPT YVDDPEAPAG DETVVEEGAP GTKEVTRTVT
 TVNGQEESS VINEVEITAA KPATISRGTK TVAANSVWDQ LAQCESGGNW AINTGNGFSG
 GLQFHPQTWL AYGGGAFSGD ASGASREQQI SIAEKVQAAQ GWGAWPACTA SLGIR

> RXA01879 (1-588, translated) 196 residues
 VKITAKAWAK TNLHLGVGPA HDDGFHELMT VFQITDLFDT VTLLTLDEEL VEEGSVVKQL
 SVTGARGVPE DASNLAWRAV DALVKRRAEK TPLSAVSLHI SKGIPVAGGM AGGSADAAAT
 LRAVDWIGP FGEDTLLEVA AELGSDVPFC LLGGTMRGTG RGEQLVDMIT RGKLHWVVA
 MAHGLSTLRY SKSMMS

> RXA01880 (1-408, translated) 136 residues
 LGGGRDGAWP VHPEVFKKHD ELNPESHMDI SDLSAALLTG NTAEVGQWLH NDLTSAALSL
 RPELRSVLQE GIRSGAHAGI VSGSGPTTVF LCESEHKAQD VKEALIDAGQ VYAAATATGP
 AASTADQORGA HILTVS

> RXA01896 (1-579, translated) 193 residues
 ARAALHAWSP TVGVDTDVER WIELDKWGFA RFERGETTHL QORRDRIRAY LNRELDATC
 DDIYSGYLKA YEQNWTAYPD AKGVLDRAVA TGAPVGILTN GAAPMQQDKL DRTGLGLPEL
 VMLAASTLDS AKPRPEMYAR ALTHLGARTA TIIGDDWTND VAAPRELAWN ALYLDRSGTD
 PRADIHSLDE LFH

> RXA01899 (1-786, translated) 262 residues
 MSRTLWAVSD LHVTFQAQON TVDALMPQDP GDWLIVAGDV AEKIPDVVRT LSALVKRFDI
 VIWVPGNHEL FNRKTDVNG KARYRALVGQ LRAIGVITPE DPYPIFGGV ICPLFTLYDY
 SFRPLGLTAK QALAQAKIKL DDELAIAPYV DIPAWCAERV TYTEDRLKAT KGPVVLVNH
 PLVIEPTHRL FQKDIALWCG TTATRDWAVR FNALMAIHGH LHIPAEITRD GVSHVEVSLG
 YPFEKHPPHM KRPWPFVPMQ IN

> RXA01902 (1-864, translated) 288 residues
 NYDAYNAMYP RPNQVDENYF FEYNNALFLS LDSNDYLDID DDIAFLRDTV AAHGDDKDWI
 VLTYYHSTFS QAYHMDDARI KYQRERLTPV ISELNVDLVL GGHDDHIYTRS HLMNGFTPVD
 AGREAVVGET LNPKAGEVVY LATNSSSGSK FYDFYDFQLG QRYDTGLDFQ ETVDQKKIRT
 YTAVWNQDQV QDYTNVELTP EGLTVTTKDA VSGELVDQFT LSKQDRDEES EVPVEDDKDG
 DNATGSSNLG LAAILAPVLA IFGFVGGLFV GGGSLAEFFA NLGVKMPF

> RXA01903 (1-279, translated) 93 residues
 AHLDDRGIYI IPAQYPWGYE EIINLPARAT STPAVAPRTE AAPATVSDAE VQSLLEYLRT
 NAFVSRHDGD TTKADIFNKH ADTVNKLAL RAP

> RXA01904 (1-423, translated) 141 residues
 MSISPKNSGT PNENAAAAQV AANLANLTSQ ATGSMDETNE QVIKSNEHGS DAYLADIKAS
 REMWAKIALD PNQSEETRKE ARENMARIDE YAREHDKDNK GLLQKLAKNK AELIGTVAVA
 TLGVVAAIAN NGKIPMIQLK K

> RXA01905 (1-531, translated) 177 residues
 MKASQTLTRN TRARKLGMGI LAATIMATGA LAGTAPQATA AVDTTAPYVS YVVDIPGKVG
 EPIKPQYLT I SDQSAYTVTF KYMPSWLKYD ANKKMLYGTP TEVDVWTPPEV HVVDAHGNKT
 VRYFTVAVP ANTGPTTTTP STSKPSTPQV TTPTTPKAPT LPKSTFDWTL WGSIFGF

> RXA01906 (1-465, translated) 155 residues
 MSEFPTPTTF HVEPETLSSA TDLTVDAHKI AELLSTTDY RVFYMPRLAG VTPIVSILYV
 YDGENFLIVG RSTHVPWEYV VHYPIKPSRE FGSAIAVPLD DSDDPYDAAE VVALVKQYMT
 PTLTPGEGYM QGFYKGLTFT NHLDIHRPLT QIISD

> RXA01907 (1-612, translated) 204 residues
 MSADFELRKN YRYKFTDTWP ANAVTGTGY ANPAFIIISA DAMTQNTHAD SNLITVKEHL
 NTLFPYSVQR KDRAVSEIY TPINLLEDNP ELAQEILDVL DTLSNNAVFN DAHYSELELE
 RLNEYVIDTL AYDMKSDMMR ALVKARPEAD LEAMEELDIA NIQSWINLHS STVSEHNDGS
 VDDAPFNSLA LAEIYLQQLA DHTV

> RXA01908 (1-483, translated) 161 residues
 MHSDRFEHPD NGYGYTIRQD TDAENPMTHH DTKDAALWVH NRPRRGDTVA DKPEGNEILD
 IFAKFICQGH DNDDNPFVW SDGSDASLI RTKAYVAEHH PELIFDISAK TITGYSQGDW
 LDVVCVTAA TCDELIPADS LIDIYRQWAF GDVWTVIPDS Q

> RXA01909 (1-879, translated) 293 residues
 MANFRSKDKD GNVINPNAST KGVDLVVNVY DSAKHVTEKG NTVHFVDVQV AQIPIDADGT
 RANANLAPQT MPHLHLDTKD GQRNTGVAYS DAQIQAMQTV AAQGRNHMTF LLSKDGETVG
 YSMLVKADVM FPKTKDGKSL PAVMNTKSLQ PSGVPISDAM NIQQQQFMAV AMNRQAAEAQ
 KAAQAQATQA QAPQVAPQPV MQNQQFQAPV PQGQQPAYAG APVYADAVAH ATAQQQAAAA
 QAPQAPAGNP FNQPPAVAAA LAPQTQPPAV AAALAPQTQQ PAAQPQMDNE PPF

> RXA01910 (1-846, translated) 282 residues
 MAFPLAVAG TVAPVAAGWA KDKFLSNSQN NQQAQNNQMS FGQVNSAQN SGSENSGFMG
 QYGNLGAGLA GAATGAGLAY SDFEDGQSLS SKARNMVGKG LAGAGAGVFT KLANDAIQAE
 GGSMKASAYS AIASGLGSYL KNGGPGVIKS AMASGAAGFG ADKVHDKLAE SGHEGLADSL
 SGAIQGGGLG YSTLGGVTGA GIGGATGGLA GLAQNYFGGG DDYSNAGASA SGFSANQVNS
 EISTEIPQFA NLGQPQRSEL EQLALPQESR SVDKSYDQGY EA

> RXA01911 (1-846, translated) 282 residues
 VFIIGAGLPL LYVPIFVTVI VMVVYALLRY EQRMSTGYE EADPVEMDSV IWEGIKCDIA
 SDIAARAEAK KAKKPVASDA VAVGNYIASL RQHMLVETQR RYHHKLGREL HNDPAQLEDY
 GSGLRDCECR ACVVAQKLG TVHAHGVVQA SARKKDRVII GRADGIDVAG WNNHRQEARR
 KTSAAKQLER DAQRKRTQAE RDKEIERKRK AQEFVAEQSG KAAAAQRRAE KKAQKQARVD
 ELVAQKQAAQ EQKTHCKRDK QRAKKAQGRK VAVDNSAVD DV

> RXA01921 (1-939, translated) 313 residues
 HIDIQRLNEK QLFVGLKRLL GLLGHQILES DRLSGDDAHV DTNEDVLDLI AYNVSDVVG

RLLAEDPVYS GSFDLRAGLL STYPETVFDH DGTFRQPSTQ MRKDRLTINT SSAQFAARIL
 APYRPLRDVP DAIGDMPVVS YLYPDAAVAE ATGQKQVNVL DESKKFFYDN ITDPEARAAF
 DEVFAFYADI EGRNFNSHNE AIDTQINQLR AYLNQVVAFD AAGYALYDVR TRFEQIFPKD
 RSYINDATDM TPRAVSSFDD LVALCDDIRG VLDRGLEISS PNHHEMVDAM RKQLHYIQAF
 TVPGTHQRRF NDA

> RXA01923 (1-429, translated) 143 residues
 MSALIKGSGP HHVVVLNGWF GHAAGWGAFD DYLDLGNYTW HFWDYRGYGN RKDDAGEFTL
 EEISADIVAY IDSIEAEKVS ILGHSMGGVF MQKVLADESAT PIASLVGISA VAAAGTPFDE
 DSRKLFTSAG HNPDSRRRAII DFT

> RXA01930 (1-951, translated) 317 residues
 VISTNEIENI HSTRRDIEIA LDESSTSEPK RFSEISHLYL ALAEGKISFP ESPSELRELY
 DHLMHGELGK ENELDGEIFR QGPVEIRDSR QKVIHSGFSP ESQIIEGINA IIKLAHSEEE
 SNLVGIMMHS FMFESIHFPY DGNGRTGRYL LGIQLSKILS PATALTMSSA INQFRNKYYK
 AFHAVEHRLN RGDGTPFVIS MLELLIAAQE GLIENIKQRI DFLASLEDAI KTLRGTSNFK
 NHQINLLYIL GQIQLFGKDE TLSLESAAKF LKVS KATATR YFRTLREMEI VHEVSKRPLR
 FALTDKGREI VGLEVKI

> RXA01931 (1-654, translated) 218 residues
 MSTSFESIPG VTISARKALS TAGFKDLESL AGTNYEEVAG LSGIGARTLE RLQAAALVEKR
 MSFGGKVPEA EQRTATWTTL DSAAPEATET SESPEYFIQN LDIPRRITHG RLLLEIFNRA
 TGQKPYVAGS SIVGYGRVHY RYATGREGIT IRVGFSPRKA KISLYGLTSA PASRELLKKL
 GKHSVGVSCS YINKPEDVDL EVLEEMIRIS WEAEPGEC

> RXA01941 (1-435, translated) 145 residues
 MALTSLLHQL ADKKHSDLSR EDIVPRAFTV PTSTDAHAIH QDLEKLNSV LKEQNHLTTV
 LGTWSEFLTS NSDNSDILRS SAEGLGLEQ VRDKALEVEQ RIKASAQVDL TDLAHEIEIC
 NQHATLISA IQVRLQSHA ELRAG

> RXA01942 (1-600, translated) 200 residues
 MLRIGLTGGI GSGKSTVADL LSSEGFLIVD ADQVARDIVE PGQPALAELA EAFGQDILKP
 DGTLDRAGLA AKAFVSEEQT ALLNAITHPR IAESARRFN EAEDQGAKVA VYDMPLLVEK
 GLDRKMDLVV VVDVDVEERV RRLVEKRGIT EDDVRRRIAS QVPDDVRLKA ADIVVDNNGT
 LEDLHAEASK LIAEILSRVN

> RXA01944 (1-384, translated) 128 residues
 IRNLRLILPD GRTLTPAGIS DSNWLNMGD SAGKLDFFDA TFALPEDAFT GVAHAWDTTQ
 STDGEHHITI SREDGGEISR TIRVDNTAPE LTVSGVEEQ ELRGTVLEIDA QATDAGAGVK
 SVETLLDG

> RXA01945 (1-1242, translated) 414 residues
 VQLPLTTGSI ALDKGEHTLV IRAEDEVGNR TEKTITFSTP DENPISGDYA PSNGATVGVG
 DVKLSARASD PSGDTVKMTF LEADSPKLDS GRVRMSSGTV EDAGSVSRAE AKMLERGDVE
 KLSSLDGLGM EVTSDAALPY QLFVDAADA LAADTEVRLN WAGSADGRAQ VIMYVFDGEA
 WVEVDRHLTG DELEEFTELQ VVNAEKFAIG GTVTVLIQHS EGFAGADHST RNSDVTAAHP
 DDVARSEYDF TLAWESDTQY YNEEFHEHQT NIHDYVLAER ENKNIQFMFH TGDVVDWDQ
 PAQWATANPE YQRLDDAGLP YSVLAGNHDV GHTSNDYTEF SRHFGEQRYV DNPWYGESYQ
 DNRGHYDLFS AGGIDFINVA MGWGPDEEI AWMNEVLAKH PERVAILNLH EFML

> RXA01957 (1-462, translated) 154 residues
 MTTTRTVSTSA PHVTVNINTA HNKTRTVTNG ARKNAERGK SCISFRVGPE LFDEFKATCI
 DNDISMTKAF EKELRTWVDE HNAGATKKRN THRTYVQAPV GTVATSSIPG LGLFTVFKKS
 SDQMWDLES SPLIAQEPMS NMDMHRNGSF ELHL

> RXA01958 (1-507, translated) 169 residues
 MSKKRDHLTV IPDLSESRTHH SRSTQPPTTL PAPQLTIITA PDKHQPLRV VKNTTTPSSV
 QPSPINYSFT DPVLEAHYA FQHSELARPT VLDSSHVWRA QEEFDTEHNA AYVRAADQLL
 SPFDAYILDN GDVYTKTPRA ISAAEQEIL EHLHEHHICW DEEAFLR

> RXA01959 (1-381, translated) 127 residues

MPHDVYDVEH IISKQPFCSI FFQLPAAALK PTIQKAATNR DLTKLNTEQI AENLQRYLDT
YSVMHQVRVT IEEVTHVRNP HEPDYEFSPO YGAHISLIGE SYAVNTATNE PYATDSEGHF
LALYFEM

> RXA01960 (1-318, translated) 106 residues
MPQHFSQENY RKAPVIMSAP LTIHDLSTN SKLNLKWLTC TVLNPNLPE PCITVSVNHT
EGMSLVSFEG GHGLTEIANT QLVPVLELPK FNPFEALAIH LEAANN

> RXA01961 (1-480, translated) 160 residues
MTDNADNTTD NVTNNSDTNL DYSFDPLPDE PYAYGFELVA ADAHSDSTTT STDTPETVAV
ALKTREDTIN WVNTQRAEGK PDEIRINNPI RSERIAEFVH EMIMHHGLVA CMEDLAILIK
RDKLTQLEAE NAITAWNLT KESLGQIMGL FYQYVENNTK

> RXA01962 (1-570, translated) 190 residues
MSDNTQDNPF SIRYAHDPHQ LALNELVDTA DLPAPTSYMK NPWSGDNTP IAEWRRERITQ
WQRTIIVNQ RDDDDLIVS FPKLGQHIQL NTDDILALVA ACVTPTANDI EATIEENLHS
YPHDTVIMFN ADDLDDALGL VVAVKDASGE HSPRAVWRTN TDHGALDETE LARLILKFGG
SFDDYGVLQH

> RXA01963 (1-684, translated) 228 residues
MKNRKKIMST LTTVCAVLGI VAAHPFHASA VIGGSVPSTD SVANAVAKIG PGALNCSGVM
ISPSWALTAR HCVDDINILG DIDTITPITP GIHRNEGNYM GEVYRAPSGD LALININGVH
KGTIAQLPTQ EYPLGTAAQS VGFGGGGVNI RTAESVNMI TDIYSVRSGK FHHGVGRSHY
LLFDYDSAET GRIHKGDSGG PIFIGDEVVG IMSHGTINKN DGSFDDDES

> RXA01964 (1-1326, translated) 442 residues
MTSAVNQKK TTQKVLKPIN TKNYSATDAV QTGQHGSALG SNIGVYTYTA GLDIGNGYVK
GIIEATGDTT GTSVDVIDMP SAATRMSRPT EVPEPDDTAV AVTGADFFNH IDTNFNSPMV
KGNRYRLCGT RSLSARGSL EFDLVGNRSK AEQELSKVLV MAVLAAKAVK DFVAAHGRIP
QVAVEGDPGV LRVHTYLALA LPINEYVGHG HGYKAQFMGD GAANPAVHV TVNNFETPAT
VQLIFERVEV IAEGASQYA ITAGGEVLMN GMLADVRSGK LALEGVTAGD VLQARHTIGV
DVGEGTVNFP VFTDGRFNHD ASRAYDKGYG TVLESIAQAM DDAGLAHNFN SRKQLADYLO
RPPSALKRNF YTRVEQHVDQ EAVFFVQDVA AEFARVLSV GALTEVAFVY GGGSGPLRDR
LHEALLIKAA EMGSEDTFPV LY

> RXA01965 (1-561, translated) 187 residues
MAQKQDTTHV SEDDAPWRNV RMRFPETDAI VERFLETQGA RGISLAMRQL IYLFVAEYGD
VEVATVIGLK LVESLQAGAE GSDLFAQLAA GVADVDAVTT RKKAPQIAP PSTTTRAPDQ
VNEFVAEAE QPVEESVVEA KVPKQVAPQ PAQKPEQKPE QKSAQPAQSE PDDGFDMDDV
MGQAFGR

> RXA01966 (1-657, translated) 219 residues
VSESENNTTP AVAARDRLV WVDLEMTGLD LKRHVIVEVA ALVTDANLNV LGEGVDLVVH
ATEEELAQMD DFVTNMHESS GLTEQIRESA VTLKEAEDAV LALIEKHCDP AHPAPLAGNS
IATDRAFIH HMPRLDEALH YRMVDVSSVK ELARRWYPRV YYKQPEKGLA HRALADIVES
IRELDYYRRS FFVAEPGPTS EQCADDAAQAA VDRFAPYFD

> RXA01968 (1-1158, translated) 386 residues
VLAIGSLALT GCTIERSDAQ EQSSQQSTEV EAEEAQAPVI SVDDGDEDVD PSESVIVKSM
GDGLSKVTMT NEEGYEVESE LSDDGRSWTT AETLGYNRTY TIKATDKNGE TATASFSTAT
PAATTNVALS PLADSVVGVG QTIGFRFGSP VKDRKAAQDA ITVTTSPKVE GGFYWLNNSE
LRWRPAEYWE PGTEVTVEAD IYGKDLGGGV WGETDNATNF TIGDKVEAVA DDATKTMSVY
KNGELLRTMP VSFGRDTSEW ATPNGTYIIG DRNESMIMDS TTFGLGYEEG GYRTPVKYAT
QMSYSGIYVH AAPWSVGAQG SYNTSHGCIN VSTENAQWFQ EAVKRGDIPT VKNTIGETLS
GYDGLGDWNI PWSEWSKGNA DQTSAP

> RXA01969 (1-474, translated) 158 residues
KCQRRGLSQD PLYKNRNSLL TTQKWFSPRQ QESLEQLWAY DKAYGALKLA WLAYQAIIDC
YQMGNKREAK KKMRTIIDQL RVLKGPKNEL AQLGRSLFKR LGDVLAYFDV GVSNGPVEAI
NGRLEHLRGI ALGFRNLNHY ILRCLIHSGQ LVHKINAL

> RXA01973 (1-582, translated) 194 residues
SAMSQSQDDR KIAELEAQFH SLGLNNTLV TLDDAASLLG VPAGIHQIEA EVMLVNFGDG
ADGMGGDTTK FLHYQPDESQ PYVWVMKRVY SFEAMKKLMV GLFIGLCILI VGGPALGLML
GGFIGVLIGL CLGTSAAMIV GPFGMLRMKA YPPCMDSPWV YMSQEQWRTA MGAAQQTEVS
FVEHWDNIYG DNLH

> RXA01974 (1-1452, translated) 484 residues
MTQVVAGTLV GESINREIDE DKYPYLSSYA APVAVPVREI IGREEEVNKI MAALMRPEIS
NVMLVGPAGS GKTTLVQQAL VKDPERNYIE VDVAKMVADL STPAQMAARI KGVFEDAIAY
RKHEGHELVL FVDEFHQIVQ LSNAAVEAIK PILAMSGVLG VRVIAATTLE EFHEHIRPNQ
ALTERLQEI LTPTDQKTTV AILRGMDRY GVSDQFYDDH VFEQIYSTTE RFMPSSVQPR
KSIRVLDAMV GWHRLSGKPM DMDLLGDVLH DAIGVDIAFK VDGTSIKDKL DEKVMASLSA
TTVVARRQL VVADLHDKSR PLSNFLFTGP TGVGKTELKQ LARVLFGDD TGRILRFDM
EFALESSLDL FRSELTRRVA DQGNAILLD EVEKADRAIA RLLQLVLDG RLSDDYNNREV
SFLNTYIVMT TNAGSEIFET ISNYATDDTG DGRAIKDFVK NIHTSIKNG FPELLGRVD
EIVP

> RXA01976 (1-1521, translated) 507 residues
MTQTLGERR IVTTAELKAM LARGDKVFLP GVAARAPIL DNFDPADRAR LDVPAADNEI
VSVEFSRRDT VQCISIARD HLYITDDMIP THNTSNIIFL KSTDETMKT LVDWSEGRHV
VRRNSKTVTR DLAQLVMRTE GKVSYTSATE KEPVVSNDL NTLPSQNAIV FRAGQYPVWS
RNETIWPMSF MLFANQIIQ GREYSLQTI TLSSANEFDV NQNAPEFMAM LEKMAQSIR
TQRAVDIYK ATGLDDSDIA RLDMDVSAE IMDIVDTMIA KDEYDDTPDY DEGDSEVMNA
RDFMESEYDV FDDEFEDSAQ GFPVATGTKV KKKSLSEAE VNDEFIHDQE NAEHKLADMR
LKRYAEGKVS RDMLADQFGH ILQDSLEDEL TAAYDESLHA FAQDPNFRVT ANGLVNAVD
GTVLIEALSQ EDIALMRAQA GVEQSRVYSE GEEALSGTED DPLSAMGKYK TTRAFRIMLV
ELPHWRDLAQ GHFDKEVARA FRRIEDA

> RXA01977 (1-576, translated) 192 residues
MLRTLFRVKI RALLLVLMIA PTPLVEGLTS TAMIVSVVIL AIYMAITMYR VVHGRHEFAH
IARRMALYNV KTSSRFVVI AYVVLIAIYA LLIPGLVYSV TFGFIVPSTP NTFSDAPAWI
MCVSLLLIAV ASFITSIMDD FIDGILTDFY DEDNADSPDS PAEDIATRPV ESATTSALAG
FAVGYICGRF NR

> RXA01982 (1-1158, translated) 386 residues
MATTSLEPTTI TPDSEETVEK RSLTPIILDS LPCESVPYAL AAGEGQQHQL GPYHLTVMSR
PEDNGGIFSL ARVSAGKTPA TRFFSVAGPT FLYMMEGRIT LWFADGRQEI IAGGSATIPT
NTPWSFACEG LVNSALVYYS SSNAFLHAAE KLGTSSFSHT FRVSGEVTGI PYEELEDCEG
TFYERDHLAE LGPHFDRLPE DMKAFALNDG EGDRLQFEQ INSEVCRPRH TGNQFLAMQT
KGAKTPYIPR HFHRLHTENF ICLDGRVKLH VNGQEIIISR GDYVHAPAGT IHSFAFAGHN
TQMLGVLTTE VFEKFFDYIN TPTNARVQLE DGGKPPFPPE AFAKVQAELD VVVVGPPIRIS
TLDVVTNSRF EPINRTITYR ALDANQ

> RXA01987 (1-213, translated) 71 residues
MTFPAQSRRL ARSTTDKWIG GVAGGLAETY GWNPAYVRLA FVASVLFPLP GSQILFYALA
WLIIPSRENRF

> RXA01988 (1-318, translated) 106 residues
MIDPLTPVVP ITTGTSVAEL YADAREHLN GATQVMIPVI SPSNLTLSSV ALGNQEVDA
GHSEGQAVHS LLEIHTPKRS WPLSELYIDD NEGLAQVSR FARLVG

> RXA01990 (1-999, translated) 333 residues
TSDHVAQFGM ATASAATLPD SIVTSVSYTL NGLSFSDPVE LGISDNDKRE ELLGDITKGE
LRLQMEFSIP DSATAEDEYV FNLTGDGLRF FNSNDRTVPV RNDAGIRVAD LLVSNNGGTRG
TLTNFSSDAG TTSRTAALDM ELYGWSSAQ QTGERPIQDW TVGKTEGQVE NKVVRYGVAG
HPWIISTVQH TWVKSTQTVS HFRSEQDWKI NQPPAVDMGA LAYAAPLGTV VGHANVVISN
NNGAGFRGAL VNTPTTTRDV ILNFTAADGA TLRERSGGGF EDFDFVSEVP RVEETSTRIS
YSYKNSFEYD EFVAAFPEYR RSCVGTNRCV FSG

> RXA01991 (1-795, translated) 265 residues
MTNLLPHFPS TDVAAWEPTV VYSADKTTAT ATFKNIPSDI SFSWTGIEAL EPFSPGKTFE

HKVQGSVGEP AGAFTRDNYF TEGELYKRRH ADDLLSGDGL FGNITDGDG NLPSVDDGKD
GDDGSDGSDG RDGVVAIDVV DNADGTVTVT LSDGTTFTLD AGQDGDGLD GLDGTGLTLE
SATPDEDGNI TYVLSDGTEF TVRNGVDGSD GKDGDGVNG TDGVDGSDGK GLVEVSRVTN
DNGSVTITYE DGSQITTKPT PTNWL

> RXA01992 (1-450, translated) 150 residues
VYCPFCQHDH SKVIDSRVID AGSAIRRRRE CSKCEGRFTT IEKAVLLVVK RNVTEPFPSR
EKVVTGVRRA CQGRDVSDDA LKRLAQOQVEE TVRSNGSSQV RANDIGLAIF DPLRELDEVA
YLRFASVYKS FDSADDFEKE IRLMRRRGRD

> RXA01996 (1-537, translated) 179 residues
MSKLTGTWTL DPAHTEIKFV ARHAMVTKVR GEFTEYTDSE VVDAENPENS SAKVVIKTAS
VTTGNADRDA HVKGDDFFAV DKFPEMTFEA TSFVIKNENE GTVTGDLTIR DTTKSVTLDV
EVGGVAEDPF GNTRLGFEAS TEINRKDFGV DFQAPLSTGG VLVSEKIKIE IDGSAIKAA

> RXA01999 (1-471, translated) 157 residues
MTLPTPTHST KGSSGRMKRM ALIGSSLIIS MGLITACGSA AAEPEAPAPT VTETVTATVT
TTAKASTITS TVTETTSAD LAQEIVKPAA VEEYSEPQVN TPQQFAAIE PAPAVAPAQT
YYANCAAVRA AGAAPLYAGS PGYSSKLD RD GDGIACE

> RXA02001 (1-549, translated) 183 residues
TRDPIVAAGV IVQAFQTIVS RNHNPEVDLV VSVTQIHTGS ADNIIPETAY INGTVRTFNK
DVQAMVITRM EEIVAGQAAA YGVEATLTYN RNPATINDA AKAAIAAEVA GEVGLGVNPN
GSRGMGAEDF SYFLEKRPGA YLFVNGDSDA GLHNPAYNFN DEAAPYGASF LARMAERPLP
LKG

> RXA02004 (1-207, translated) 69 residues
RVGRLMRQNG ILIIRSRKFK RTTGS DHTFN IAPNFLQQDF MASRPNQKWA GDITYVWTRE
GLGLSGRHS

> RXA02006 (1-495, translated) 165 residues
MTVAHKRSLT WIKRLSATTF AAFGLGIQLVT PAHSIENTTQ IPESELHNLG LTDEEIQEFN
QYLIDESLFQ ETVETSPIVV SDNEDAAQDP GFGLFTTNPV KHTDEHIGAL YFSDLPGISN
LTCTANYIGG KFWTTAHHCV EGRSRFVGFI EQSDGQYAGI EHVT

> RXA02007 (1-429, translated) 143 residues
GITANYAFKG KKVVAWKDLA GIGFKGARTF ARPTSDAEVT LPGVTFNSLP RLEAASHGRI
PDAITASKEA ADGKVVVVQE DGYSVMMSKE EYLERQKALG KPVQLNFDDD TDGNTTQTES
VESQETGQAA SETSHRDNPA SQH

> RXA02009 (1-123, translated) 41 residues
MTMYNAAKTL VPQIVAFDDT AIALDQAAE DEFRKANYPE V

> RXA02011 (1-318, translated) 106 residues
VANDFIEPND APDAPDNGDS GSSGFVDEAK DKTRSAAQGL GYGALRVGFG TAALAANGAR
SMGNLAKNLW TPMMGLALSA GTGISAATGG MITARVGAML AGTGSA

> RXA02013 (1-549, translated) 183 residues
MTESPDLA VS FLAAFNDEIA HLRTQLRAKR SDSFRWMVRI AEKQHLISKE QAETLDAFAE
LRNAISHGQY NDLRPIADPR PDTVDTIEKI RSLLLNPPIA LNVLPQKVR SYSLEDPVSR
ALEVVHTTEI SQFPIYKGTE YVALLTTNTI ARWVASDLHD NAQLDARSIK EVLDYAESSD
TAV

> RXA02014 (1-396, translated) 132 residues
ISLQLQAIST FPTDPEGVWT SFNQLLFDRG LGSLVPALAP ESLDDLPEV SALRRRTTEKN
TTTLINLAKQ HGLVHHDIAP GTYIVGLITI SRPPITALAT ISENHSHKALL GLYLSGLKHG
MMANIGEHDG KS

> RXA02019 (1-492, translated) 164 residues
AGTKVEASDL GLQAIPTSL PSTSYDSIDD VVGLVAASTL SSGEIATKPR FVGTELINSI
ATNVTDSLSV EEINMVPLSL AEPSVIPLQ HGDTISVVSQ DPTGLPENI AAGGTIVILAG

GTDPSTILIA LPQSIAEKVA AQLNTPPLAV VLTGDRANNY TTEE

> RXA02021 (1-948, translated) 316 residues

MSENIRGAQA VGIANIAMDG TILDWTYEP QIFNPDQWAE RYPLEVGTTR LGANELTPRM
LQLVKLDQDR LVEQVAVRTV IPDLSQPPVD AHDVYLRHL LSHRLVRPHE MHMQNTLELL
SDVVWTKNGP CLPENFEWVR GALRSRGLIH VYCVDRPLRM VDYVPPGVR ISEAERVRLG
AYLAPGTSVL REGFVSFNSG TLGAAKVEGR LSSGVVIGEG SEIGLSSTIQ SPRDEQRRRL
PLSIGQNCNF GVSSGIIGVS LGDNCDIGNN IVLDGDTPIW FAADEELRTI DSIEGQANWS
IKRESGFHEP VARLKA

> RXA02023 (1-768, translated) 256 residues

MAPKQTPSPE KNRNLVGPVL QRRQTEGTFD QRLLEMRADH NWKHADPWRV LRIQSEFVAG
FDALHEMPKA VTFVGSARIK EDHPYKAGV ELGEKLVAAD YAVVTGGGPG LMEAPNKGAS
EANGLSVGLG IELPHEQHLN PYVDLGLNFR YFFARKTMFL KYSQAFVCLP GGFGTLDLEF
EVLCMVQTGK VTNFPIVLIG TEFWAGLVWD IRHRLVEEGM IDEKDVDRML VTDDLDQAVK
FIVDAHAGLD VARLHN

> RXA02032 (1-570, translated) 190 residues

MPFLQISLLS IGVAADAFAC SVVRGTAIQV NLFKRALVLA GIFGVFQAAM PLIGWFIGRF
FAGITFIAEI DHWIAFALLG IVGTKMIWDA FQPEDDETIV DDGRVQFRPA IILGLATSID
ALAVGMGLAF VEVSIKVAL SMGSITFALS LAGAWIGHHG GGKFGKWATI LGGIILIGIG
ANIVYEHLA

> RXA02036 (1-381, translated) 127 residues

VHIPFGHLAD TVSWDCGGGS CATNDLVSLF MPAAFMSTLA ACVFGAWAIG LIAPALFIAV
TAWAFRSGVQ AAIADGYTSA TSVGFEMTVS LILFIIAGLC FLGWIPMFN NRQVARKVRE
RAAGLSN

> RXA02039 (1-810, translated) 270 residues

TSTSTTAPLW LVGTLVWLAV QAVMHDGELY HVEVPTIALV IGFGAQLLIG VMSYLLPSTM
GGGASAVRTG THILNTAGLF RWTILINGGLA IWLLTDNSWL RVVVSLLSIG ALAVFVILLP
KAVRAQRGVI TKKREPITPP EEPRLNQITA GISVLALILA AFGGLNPGVA PVASSNEDVY
AVTITAGDMV FIPDVIEVPA GKSLEVTMLN EDDMVHDLKF ANGVQTGRVA PGDEITVTVG
DISEDMDGWC TIAGHRAQGM DLEVKAAPN

> RXA02040 (1-528, translated) 176 residues

YIPFVIWSDL GEAAEENFA RFWSWLKSRR DKARQQGQTF GVFCYASNGE NHWMLSTARR
FFGKVKGVPD EQEIRSFIS DQWNDMFAVA RSQLVGPGGL GLKQLAPAAG FHWEEDFAG
EDSLHAYLIA STAAEPEAEA ARAQLLSYNG DDCRATAAVR HWLRQGARTA PVLGNI

> RXA02045 (1-261, translated) 87 residues

MNFATIFGSI FEVTLVGILL GAGLPALFAL GIRFAHSPSS NGTNALGKIA STICFAIIAV
AIIAGILWVT KATIQYSGF DIFGTEG

> RXA02046 (1-264, translated) 88 residues

MKETLTTGLT HQMTYIVPAN RTVPHLLPEA AEFETMPDVL ATGYMVGIIIE WACMELLRPH
LDDGEISLGT HVNFSHAAPT VPGSTVTI

> RXA02049 (1-447, translated) 149 residues

VRYLTLATII AGLSGFVVII IAAWALGDSS QLSEETAYW GLFFAGTGVL TGLTQETTRA
VTAGSRGGSR GGRAGSVVGF RPFLFSFVVA AIVLVVLGAS APLWIGQLLS NLQGVGVGLL
AVGLASYAIQ ATISGIFVRL PIVEKSMR

> RXA02050 (1-372, translated) 124 residues

LAIVWAVGLV GAGLAWLVGP WILDVVLQKE LFAVPGWLLA MLTLGATTTA SLMVSGCAAI
AFERHGIYLT GWVAVTVAV GFLGPFDLG VAAGLALIVG PLCGLLVHMG AFVGGDRNRV
LTAG

> RXA02051 (1-498, translated) 166 residues

MVIRALQREE EIVLLSAGAL GIHEKTVERT IRGKRIPGTQ KTVHVQYSYK GKLIGIDASDV
EIKSAGDNKL SITIEFIFI GYDDLKFKTI AEDDGWISFS TDDIDTAEVV SEIMSQENFV

EQVTTNREML EDQAVDFYND LLHEFTEKLD TDRYEDTKIE LEFEFE

> RXA02053 (1-579, translated) 193 residues
MSLSVVEAIT NRRATRKYTD EAPTEPIDK IVDLALAEAPS AFNAQQREIV VITDPAQKQK
LYEASHQKQF LTAPVTFFIAV ARVENEPEDL EEILGTERAE RVAGFINGRS IQQAREATLR
DASLAAFLI LAAQAEGSLT SPTTGWDEEK VKEAIGLGGR EDRAIALVIA TGFPNEQPEH
PGRLQNRID NSY

> RXA02057 (1-531, translated) 177 residues
MKRICAVAI SVLLSGCSS TSTTQLEGFD GRSAQEIITE LDQTPVADRA TNLMASIRAD
ELILSDQSGQ LSIDMPADEF YISAAPYTTT THECFYHSLT TCTGELANTP VKVTVVADNG
ETILEEDTIT YDNGFVGMWL PRNIDATLTI EHDGLKSTQP ISTGDDAPTC ITTAELA

> RXA02058 (1-552, translated) 184 residues
VQIVSPNGEI ESFVLGKLYE TALVERGRSA SVQLIDGDL EQLSMLRDDS TDLVIACSGQ
LLEYNPDLA SEFAVEYANQ TAFDKNSGEW REKVDALQG SLPDSIVATD PSNAIGCKDD
TSLPQNIPI YRKPNDLRDN RDTLNFVSGS LGTSDLEALV KDAQTTGTTS ETALDFLLSK
GFSR

> RXA02059 (1-495, translated) 165 residues
MTQPRPDAAS VSLEKKRPEG WPGVSFETYP EAQAAVDLLS DNAFPVTELT IVGVDLIEVE
RVTGRLTWGR VIAGGMASGA WLGLFFGIVM ALMSGFWFSS IAAGIGMLV FGIVGAAVPY
AASKGKRDFI SSTQIVAGRY DVICSPERAR EARDMIALKT RDLRQ

> RXA02066 (1-492, translated) 164 residues
MFNSDTTANL QAKSRDRAGS KAKRSRPSFD SVARDVLDVR TKTAQVKNKA KEFSSVDHLS
ADAAAMFVDN ELSRGAMHRA RLHIVHCAEC REEINRQRET VDYLRSCKN EEVSAPMDLK
ARLASLATEC MPGPGAENLA MQRPESEFVAK VESVVRVRK NQGR

> RXA02067 (1-456, translated) 152 residues
VGWGEIFLLV VVGLVVIGPE RLPRLIQDAR AALLAARTAI DNAKQSLDSD FGSEFDEIRK
PLTQVAQYSR MSPKTAITKA LFDNDSSFLD DFDPKKIMAE GTEGEAQRNK QAADNNANV
ERPAGSTAR PTQNDPKDGP NYSGGVSWTD II

> RXA02069 (1-579, translated) 193 residues
MADFNRSELD SPLFGSRKRF KFDDDTIGAY AEKVARFFGT GQYLFWQTIF VVVWIFLNIG
GWAWSWDPYP FILLNLAFST QAAYAAPLIL LAQNRQEDRD KHTILADRRR AEETKADTEF
LARELAGVRL ALGDTVTRDY LRHELEDLRG LLDRIEAKLD DEASRIADR HEQHGSGPQD
LSDETQGDVA DEF

> RXA02070 (1-1098, translated) 366 residues
MTQVTESAVR SALSIVEDPE IGKPITELGM VKSVSIDGSD VQVEVYLTIA ACPMKTTIVT
NTEAALKDID GVGQVHVTTD VMSDEQRRAL RVSLRGETSE PVIPFAQPGS TTRVYAVASG
KGGVGKSSMT VNLAALAKR GLSVGILDAD IYGHVPGML GSDQRPHQVD DMIMPPQAHG
VKMISIAHFT EGNAPVVWRG PMLHRAIQQF LTDVFWGDLD ILLDLPPGT GDIAITVAQL
IPNAELLIVT TPQAAAAEVA ERAGTISVQT NQKVAGVIEN MSAMVLPDGT TMDVFGTGGG
QKIADRLTAV TGEVVKVIGS VPLDPNLRIG GDVGNPIAIS EPHSPTAAAI NEIAEHLAHR
KVSPTK

> RXA02071 (1-453, translated) 151 residues
MSNSPTDVST SAPRIMIAPD SYKGTATASE AAQYLGEGLV EILPNASITL APMADGGEGT
SSVFGQVIT LPTTNAAGRL TEASYTLDE TNTAYIDIAA ASGLPAVADD LVPTTGDTYG
TGVLIADAVT RGATRIALGL GGSATTDAGS G

> RXA02076 (1-534, translated) 178 residues
MKSPFIFDVA ALLRGSALPE HLTQSGPSPT RIGPEMIAIP EGGKVIVEAQ IIPLGGLAV
EADIEAQLLG QCSRCLRELT PTKTLHVSEV FAADPDFVTG EDAADDEDEL PMVNQDQIDL
LQSVIDEAGL TLPFNPVCEE LYGACQDDE TPAPDGVSEE VEDEEKVDPR WAGLEKFL

> RXA02080 (1-807, translated) 269 residues
MSIEWLQIVE LGAIFGAGFL AGSINVIVGA GTLVSFPIV FLGLPPLTAT IANTIGIVPG

SISGVVAYRR ELHAHVKTIR FLLPASILGG ITGASLLHVF SADVFTAVIP WLIGFGTLLV
IAGPSIKKHV GAHTSGGISA GFRQLPFPSR TTFIVSVCGA LLLGMYGGYF SAAQGILLIA
LLGITSTLQM QELNAIKNLT VAAVNLIAAS VFIIISPELI SWPTVALIAL GSALGGYIGG
RYARRLRPSV FRAFVVIVGI TTVIVMTIG

> RXA02081 (1-1629, translated) 543 residues
MTLSGLELLE FERRTAAMET RLGRHNRGAG GAFPEAVVSR SVELPLFVQA RNFLNNQQIR
AQVHRRILEQ LPTEGEIVLL GHSLGSVIAA DLLRRLPPEL TVKGFVTIGS PLANGQFNVD
DLFKLLRTPL SNVSWVWNFW SGSDPVAAGR GVSVAVPWVL DFRVKTSLVP GPGHSSREYC
ANDAVAEAIG FGLFGSRSKE IVLAEKNLQI PLNDAEIFVL QALRYCYLIL QRLKGDEALR
YEYALRETQD RLIEEIKSRN AEEGRPIKE IARLDFDNGD PNAAAPVPGL SPFMPKEQAI
ERLLEIIGQN LLLPFEIEVP EKIQREALRD FTAETQLGST VGADIFDALQ MAVGVVSGSA
KSNWRKWGAF GVGAAALTA TGGALAAVP TVAGVATVAS TLAAFGPGGM MGGLVTAGTL
LTVGGGSLTA GVLSSVNTTE EIEALVVQKL SLAILWQRHE IDRTHEVWEE FAEERLIVR
EHTRVKNVSD SSSPILKAFE QQRSTIERAL KYLSDHGMEP GWFEELEPPA PTPFLKLRAK
KTD

> RXA02084 (1-345, translated) 115 residues
VIIIASVVFL LVGAMLANAA AALFSASEPF GRISYLIGLP NEDDFVPYSL RFVAFFPLML
SASMAASFFG VWAVLIIPFG YFPSLMMVHK HNKQVQRTWD SVTVADFYED STPLV

> RXA02089 (1-471, translated) 157 residues
MSSIYSATRY AAHFKSVFPT ALDDIQSMR HPRSLARAIP TWRPPSIPLP SLPGEDPLTL
TLRHRAGPA ARQIREFGE QREPAYLITI RITSPEGFKV STRLAEGWIR AILSTAHSCT
VHQLTDEPAP TFCWLVDHF DPVRSPSFLF EYSKSA

> RXA02090 (1-801, translated) 267 residues
MSFFEDIAAG LDSDGIESRV NGDTMFVPIT SDLEIQFVEI DSSLPAANVY IAAANVDEDD
DEFEAVLVSV VFSVEDAVAA VAKHVATDQV VTVLRDLLEG TDERIQDLEF FQDAVNANLV
RAEVGQNSL QVLVEVEDGV PTATVNFIAI GESFEDLIDQ AIEELWESDG DAVLSDEDRQ
RMFADLTSEL EFVTDEVLDL GTFTDFDRLF DILSLADDQA EDWEAQLVPF EDEEFDEPDV
YDLFVDDSEE DDDDLDDDED DEDDDDED

> RXA02091 (1-651, translated) 217 residues
MSIWKRLVQ YPRFADTLTA QGPITLEELA TPEVILEAVA KGQEIFGIEQ PKHAAQLWFH
SLCTAIVGPA VTAMVEFDVI PSIDIRRGQL HNIDGYWFGF RPEEMLVDAS LHLSGTQFGE
SIRVIDALC AATDLRPAPL WAVASDALGI AASGAGVEAF EEEHAREVAE ALIEGMNSVN
SVSPRFNDD DYFIRAGCCM IFHSPRADFC TSCPQKR

> RXA02094 (1-717, translated) 239 residues
MAEHNAITD AVHSDPAVLE DNAGFSGKYL IRALDKAAHM QTGAIEGYIS WLRKHNPEKT
PAQLQVLVDK HFMRLATGSG AGVGMMAAVP GIGFVTGALA VGAESLVFLD AAAYFTMASA
HLRGIDIRHP ERRRGLILVV LLGTAGKAIV DAGVGDLK NHPAGIAISR FNIGGLMEVN
GRLMRYAVKE VSKRFRSALI GKILPFGIGA VLGTMANRKI AKRTVGNAYD SLGPLPTHF

> RXA02097 (1-3372, translated) 1124 residues
MPAGIADMTD SLLGWASQTE LDNLQRLAGV EYFPQIQLRH DELERIHRFY GTFLSRQVGA
GASLGDLFEM TPCLTVTTLV SRASRISDPA DFFGEYIGGL GLSAEHAADV EGLTEKLFAQ
AGLLVPEGIA SPLELLSIHA GISNHEVAAV LTEVNGTTE YPFMFDAVLR LTPWAQTLI
GGVQELIEFA TTHRTSWSDR QRESSLPAMI DEIVVAELRE RPVGTAADREN SVGVALREL
PRLILDAERR KVCLRLPEQR VSDDEINWRV SLEGTTRIFS TRRAWGDTSG YSEALDITVE
RQIRETTVTD TSNQITWVVP VVDENDPVLV FSARGENLTD KVSLLHQEIY VLAPAEAKLE
DMVTGQPPV IEQFLVEGWN SWVCSRVDAR GLSSLKVNKE VRCIDPRRRV AFHHPAELVP
HVRISGLPV HAQSLIAEF PTLSGQDETW MLSISAFAGV GAAGEEIAEP EPLEVPADGG
LFAIFDPEIY DAPWVGEYLV RLRGPRNESF RPEFAIVEDM TTEFEVASGA SFRIPTTTGL
SEASLRVRSK EKHFTAEPRL VTVEATDPNA SFVVTDEGD QMPLRFVPPQ IAIELPLTTE
PPTWRVTRTV CGPRDLGAG ELRIRTGVDV GPKVSVRNH HGSPLRTVKM VTPDNGRTWI
ASMKEIAAST FVMPRGSIEF EWTDRKVDNR VSVTIAVIDK TENFTGITIE DGKLVFEELA
AGRQLAAVWV PQTAPWVSAV ELAVTGPELE LPEVLVGAGN LIVQLHTADP FTTSVTPPLSP
GKAAVTVEQE GYYSAQTEY AQLSAFFGGE VEEPPISDAV VPALWDVSHI WTEQGNTEHL
PVVHAALRSS PAAALKGLSA SLVPAQALPG KVISSGLAAS PFTTESPATE VHTAWIGTL

QLLGALPSAF KEAEELGNRT PLLPILGQLE EVAGKNILST LATGRDSTLD TACIDQSTVA
IAGMNETQQK ALLDMFFSNA DIVPGPLMED NTRLMAVFET FKKRDALREV LQTEGLIKTA
VELLRAMRG TQRQLYSSARI RFDKLDGVNT DNPENMWALT PVVSLVFALS SRLHAHELIG
KTRTLDRASA GWGRIADLVP DLVTGDLISA EAMVLGARNP GLVD

> RXA02102 (1-1158, translated) 386 residues
MTSPHSFSVT PIRTMADGTI KQIHPFTGTE VWTVPGRGNR PLSHPASTIV ELSAHDHTSY
CAFCSNDMLS TPPEKSRIII DSSGDFDILP GALPGELSET TPEFRRVPNL FEIVSFDYWH
QNFGFDMDSE TAMRMAQYLA IPEGREHVLV IVRTRLSAAG EDPAHMTDGE LLEKAPSYFA
GGHDVVIIGRR HFVDDATTSD QCLASSGTLTV KEHEAFIRLT VDGIRDLYHR NRYAPYVAV
QNWLKPAGAS FDHLHKQLVA IDERGRILIAD ELHHLRGNNP MYNELAVDYA GYHNLIIAEN
DHAVAFAGFG HRYPTIEIYS KSAIPEPWLO SDEEIQAMSN LIHACHAATG ADVPCNEGWW
HKPIDVDMPM PWHVMIKWRV STLAGF

> RXA02103 (1-396, translated) 132 residues
MPKIQFDVLV PDTDSIALAG RFTVVANLLI EKGLMDHGVV VHDPAAKIAE AVEEQLRQTY
RDEHEDADLE ESSVNRYLIE VDGVGKSVNQ VTMIFARLLT PPAELPKDAF LLEQELAYEV
PAVYPWTVEI LR

> RXA02104 (1-420, translated) 140 residues
HACAQLEVDG TKPGMGAAGG IAIGLTWLST LMHGNDQQIH ILPGAPLIAR SNGIEDALPE
TDLLITGEGR LDSQSFTGKV VGTLHGLAKA HDVDLAVAAG IVEGGIPDDF LAVEMIKSSD
VAAQLRDAGR RIAQEYVAQN

> RXA02107 (1-342, translated) 114 residues
MDLHKVAAAH AATLPLSTKE FPFPGPEHEVY KVRGKVFLLL TILNDEPIIT LKSDPEIGAS
LRSGFPTIQA GYHMKNVHVL SISDGERITK DFIEGLVEES YELVISTLPK YKRP

> RXA02108 (1-435, translated) 145 residues
MTIYAPRSVA HSIPVECHIV EHGRNFTVGS LSVEVLGSEH AMLTHSMPIA ENVGYLINGR
VLHPGDTFQP IKDVELALVP VNGPWVKMLD VEGYLKFFP KRFIGIHDGI VNDRGLAINK
KFLTHLGETY GSEYSPLEEG ESLEI

> RXA02109 (1-921, translated) 307 residues
MLAVLFGVVA GAIMPFQTSV NNRLRQSVGA PLLASFISFL VGTFSLLVAT WITSGHPYPA
LGNTTGQPPW IFTGGMLGVV LLTGNIILFP RVGSGVQTVIL PISGQIIMGL IIDTTGLAHS
PQAPLTFRV LGAAAVLVGS LAAVGVFSK NIGQTQSQGA SIWLWRLFGV VMGMCQATQV
AVNGYLGTVL GSPIESALVS FAVGTALFI LLLVTRTKWR GINGAGKKNP WWMWIGGVIG
ATVIFSTAYL GPIIGTGTV VVMLLGMMLA SLMIDAFGIL GSPRRHIIA QLLGLVVIIL
GVTMIRI

> RXA02114 (1-486, translated) 162 residues
SIGYAWTTAF HALTPGLGGI AIGIWLGGV LGGLVIRKPG AAIFVEVVAA CVSAALASQF
GISTIYSGLA QGIGAEIIFA LFLYRRYSLP TTMLAGMGAG GGAIFLEMF YGNLAKTMSF
NIIYSTTVLI SGAILAGLLS WYLVRALART GALDRFAAGR EV

> RXA02117 (1-474, translated) 158 residues
VSTDPEEFDQ AETLDQLAYE IILLTRYGVQ NTPTNKREAI MDRSALILLT RLDAQGPMTV
NELAESFGLN VSTVHRQLKA AIANGLIEVV DDQACPAKLH RPTELGKEKL QQELLARQOD
LTRILHDWDE EDIKTHAKLL RKHNESLEEV LDMKWPRP

> RXA02121 (1-705, translated) 235 residues
MITSPFEREL KLLNEGELGI VQQLVESSNI GFIVDLELDG DYGWAVYKPE LGEQPLWDFP
PGLYKRERAA FVISEFLGWN IVPPTVIMHD APAGVGSVQW FIENNGEHYF PLFDTRADLH
PQFVRMAVFD LLCNNTDRKS GHVLLDGDHI WGIDHGLCFS VEPKLRTVIW DFAGCTIPDD
LVTDEQELLE DVPEELHQLL HPAEIDALQR RASRISRLPF LPQAKSHRQF PWPLV

> RXA02123 (1-1371, translated) 457 residues
VWGVSLPPNV QTVGELKAAG HIYRPLRVEI RDNLLAKLRS GEDPWPGHLG LNYTVIRQLE
RALIAGHDIV LLGERGQKKT RLLRTLITLL DEWSPPIIPGR DVPEHPLAPN VEISDDQPIE
WVHRDARYTE KLATPDTSVA DLIGDVDPMPR VAEGRSLGDL ETIHYGLIPR ANRGIVAIN

LPDLAERIQV AMLNVMEERD VQIRGYNIRL DLDVLVVASA NPEDYTNRGR IITPLKDRFG
AEIRTHYPLE LDDEVAIRQ EAELVAQVPD ILVEILARYT RALRESSSVN QRSQVSARFS
IAGAETVAAA ALRRAAVFGE DEAVARLVLD EAAVEVLGGK IEFESGEEGR EWEILDYLLR
TATAEALRST LRSIDLTPLI AALDGSITVS TGTNITASEF LASLPGLGES TLYDDIAQAF
GATTPSTRAM AIELALEGLY LSRKIAKDSG EGETIYG

> RXA02124 (1-1956, translated) 652 residues

MATSHSRPRR-SRYGRYTGGP-DPLAPPVDLS-DALRDIADDV MAGYSPEQAL REYLRRGARG
QEGLDLAWR AAERRRELLS RNNLGGTLAE VRKLLDEGLK LERAQLARDI DMDDTDRAFR
EMQISNLPES TAAAVSELNS YDWQSQEARQ KFEQIRDLLG REMLDQQFSG MKQAMEGASD
EDKAAIAEML RDLNDLLSKH REGTDTPTDF ANFMAKHGEH FPEQPRDINE LIDALAARSA
AASRMFNSIS EEQRRELMKL SAQAFGSPDL QELLGDLGN LQGLRPDLNW DGSEQFSGDE
GMGLGDGTGA MQDLAELDNL AEQLSNSHTD LDIDAIRRQL GDAAVSAET LAKLERALRD
SGLLRNPDG SLKLSPQAMR RLGKALLDAA SEQLSSRPGS RDSRLAGANG EATGASRPYV
FGDTQPWDVT RTITNALQRT AGTDTGEPRL INLDDVEVIE TEARTLNAVA LLVDTSYSMA
AEGRWVPMKQ TALALHHLVS TRFRGDELAL ITFGRHAQNM DIEELTALPP VHEQGTNLHH
ALLLAERFFA RHPSMKASLL IVTDGEPTAH LEADGHAWFN WPTDPETMFK TVTQLDKVTK
RGTHHTLFR L GHDQGLEHFL NQLADRVGGT VVAPDLDDL G AAVVGEYLRH RY

> RXA02125 (1-801, translated) 267 residues

MVATSQFIDD SEAAQAVRAA IVAGYRNIDT ALAYGNERGV GEGIRTAGVP REELFISTKL
AAEIKDYDGA VAAIDESLAK IGLDYVDLML IHSPQPWSDF RGGDYSEGNR EAWRALEDAY
KAGKIRSIGV SNFLEADLEN ILDSATVAPH VNQLLVHVG N TPSELISFCD SKGILVEAYS
PIAHGEMLKN QQVKAIADKY NVSIPQLCIR YTIQLGTVSL PKTANPDHMS SNAQIDFEIS
EEDMAALQEV TARDYGEHSG FVPYSGK

> RXA02129 (1-234, translated) 78 residues

MKIIFKMASN KFIDNKKGLA MLVFAELVME MLDQPEEQLH NVRGVAIEKR EFLKALTADF
TSRLKQAQTD KILVWDF

> RXA02132 (1-639, translated) 213 residues

VHNFSFDVDE SYAKKNEIL RDAKRLQISA LCLGLILGGG AVAVYLFNSG AVWMMIAIAV
MVFLALLSFI MIPVIPRQMG NAQTLYDDYE LAPAIIAEVN PRDVVLLALV NRNVNPEAKP
EWALATRTIV RVGAHERRLG ERIPSVAITG RRTVKDQDHW DEISPMPITW GTTDKDIIRE
AEKTIPHELW AKLEKNRGKL EDVKKTPNNL FKL

> RXA02137 (1-798, translated) 266 residues

MVVLPFNDE VCTPIPDGG FPCSLLSVKL PWDKNKNNEG ADAAGQDASS TPETATPDAT
EQKLPGHTA PKGRPTPKRR EVELERGVG GQSLAPTDY AQQRQKRKEF KASMTKEEFK
AYKQKERDAR VKRQRETQAA MDRGEDAYLM DRDKGEVRRF ARDWVDSRRF LSNFVMPVAI
ALLVVMLIGN FNPSFAATSS MVAMVLMGLF LIEGITTGR VNKAAARTFP GTTETGFGGLG
YYAYSRTIQP RKWRTPRARV EIGAEE

> RXA02138 (1-342, translated) 114 residues

MTAPSTNTGV ILTESAASKA KALIDQEGRD DLSLRIVQV GGCSGLRYQL YFDDRTLDGD
KEDIVGGVRL VVDKMSTPYL LGAQIDFADT IEQQGFTIDN PNAGSSCACC DSN

> RXA02141 (1-408, translated) 136 residues

MYGPTVFMAA MAVIYIFATM HVSDGGSVKG VEWVGSVALV LSAGLTMLG VYLHFTVVRV
DVLPEDEWEEA EVADKAGTLG FFSPSSIWPA AMSGAVGFLA FGVVYFHYWM IAVGLMLLIIF
TITKLNLYG VPKEKH

> RXA02146 (1-627, translated) 209 residues

VGKHRNNSN ATRKAVAASA VALGATAAIA SPAQAAEVVV PGTGISVDIA GIETTPGLNN
VPGIDQWIPS LSSQAAPTAY AAVIDAPAAQ AAPAAGTQA IVDAARTKIG SPYGWGATGP
NAFDCSGLTS WAYSQVGKSI PRTSQAQAAQ GTPVAYSQDQ AGDIVAFYSG ATHVGIYSGH
GTVIHALNSS TPLSEHSLDY MPFHSAVR

> RXA02151 (1-1188, translated) 396 residues

MDWPDIAGI SILGVLLHV SLAIPGGQDT MMSHLNALLD PLRMLFFMV SGFFAVKVLN
QSFGELEFRGR LWFYLVYPYLL WTPVNLYLHR LEGTVFTGRA PGTWEWYSGS MLSATNMYWF

LYFLVIFNLF LWATRKLPAW AIVALVASLW LLMPAYSEIE ILRKSIIYLP TFLIGAYFRP
LISRFAEAAT RPKAIVFAAV LYVSGLALGV ISNGLRDSN HGASVLWLMN LRDTFHAHALG
GNLTGFDMDH LPGMIIRIVS LPAGIVLCVW LGRIKPVGEF LKLIGRHTLP IYIGHATGLS
LIFGFGRLWN FMEIDNFSDS LWHHTNTWMV IAFACAMLGG YLTYLISRVP VLGWTLVPPK
LPEPDKTPAK AQADSHVKAQ SAKPMNASTS SKTYGI

> RXA02152 (1-402, translated) 134 residues

MAIYRKLAAAS AAALALSASL VACGDSSTT EETSTTSST TSSSSSSSSS STAATSEESS
AVEEPAVEAP VEEAPVEAPV EQAPVVEQAP VEQAPAPVQE APAPVEQAPA PVQEAPAADA
PPALPGGGGG HAGY

> RXA02163 (1-753, translated) 251 residues

MAVATFGTIT DMLETGKIVS NVGGTDTIDL GALLNETQAG TRWSELSPNY QSNRVVQIST
TDVRTSNAA MYLSMMSWVK NGGKTVSSTA EADAIPELS QLFVGGQYTE STSAGPFDEY
LSQGMGSKPM VMIYEAQFLA EQNKENSRI S GDMELVYPSP TVYSTHTVVS LSDVGAEIGE
LLETDETQQQ LAVKHGFRPK NSAMIADAGM TDRMPNNLNV IDPPDYDFLE RLIDGVGASY
SATPAEDTD L

> RXA02164 (1-1575, translated) 525 residues

MKNLVKGTAL GLSLVLLAGC STVSDSIDSL GGGLGGSSET LKIVAATELE DLQPAIEQAS
DDLGFDIELS FPGGTLSNSQ ALMDGAFDQD YDATWFATNR YVDLIGASNK LGGETTKIATS
PVAFGVKTSM AQELGWDQRO PTWHEELGQAS QTQDFTFGMT DPATSNSGFS ALVAMATAYA
DTGQALTND IPAIAEPMST SLSGQTITSG SSGWLKDTFL EQPDRANAI NYESVLHTMI
SEDGADITVV VPADGVVSAD YPLSTITGSD QGEHVAELAG WFAEHPDALT DTYRRPTTAN
ATLPAELSSQ TIIEAPFPGS KTVTDALIDA YTNQFRVPGE TTFVLDVSGS MLGQRITLLK
DTMSDLISGG ATTDLANVSL RDREKVSIIIP FSFGPHEVIS ETLGAVGSPS RTDLQQRVEA
LQADGGGTGIY DAVLAAYAES AGGDYIPSIV LMTDGELTAG RTYDQFLTEW NALPSNIRSI
PVFVILYGEA NVADMEQLAA TTGGETFDAI NGDLDEAFKE IRAYQ

> RXA02165 (1-612, translated) 204 residues

VPTNNGGSFF FSRKNLAGIA IATLIIALHL VIGLGAFWPV VAIAGYGAHV ALTPKNPPKK
ELPPVQATPE LDSPGLLAAR SQELVRTMYS HGAAAPVIEA IKRLDSSLQL VIGNWTSLTN
FPEHQVTIRS IINQYIPGII DAYLKIPTRN DPRAVEDLIE SFDLLNSETM KIFNAIQEQG
LNNLEDHGRA LRMQFGQLPE EFRE

> RXA02166 (1-177, translated) 59 residues

MSLDPQLLEV LACPKDKGPL RYLESEQLLV NERLNLAYRI DDGIPVLLID EATEWTPNN

> RXA02168 (1-2814, translated) 938 residues

VSISLTPHL SFKEPAIYA QASAWQQVI ADSSSEDHITA THLRELLSRS RAKTAPFARQ
ITAIVPGSLA RLEELTRED A QIGADIDAQP AVSIPGILLG QIAATRQLRD LGLDVAAASR
LGHSQGILGV EAVDNEEDVL AFAILLGA A SQFAGKGAHM LSVRGLSREI IQDTIAGVDG
VEVSLRNARA HFVVS GKPEA LKKA AALQR AADVYNEDIN EKRGKGS LAE PKFDYLDVAI
PFHHSSMQDA ADLAVEWATT CGLNVNARAL AEAILVNPAD WVEQIANLKA DYVLSLDAGV
SRFTAPLLDG RGISLVPAFS AAERDNLARP GFHVPTAEDW SEFAPKLVKL PNGEHKVL TG
FSRLTGYSPI VLAGMTPTTV DPEIVAAAAN AGHWAEMAGG GQYSEEVFTK NKEKLVSLK
VGRSAQFNSM FFD RYMWNLQ FGAQRIVSKA RATGTSINGV VVSAGIPEVE EATELINDLN
ADGFPYVAFK PGTVDQIRAT LKIADANPET KIIIIQIEDGH AGGHHSWVNL DDLLLTYYAE
LRSRKNVVVM IGGGIGTPAK AAYYLTGEWS TDLGFPAMPV DGILVGTAAM ATKEATTSPQ
VKQALVDTPG VDPHDAGGWV GRGDARGGV T SGLSHLHADM YELDND SAAA SRLISSIDSD
DYADHREELI EAINKTAKPF FGEVEEMTYA EWIQRWVELA YPTQDPTWDD RFLDLVHRIE
ARLNEAEHGA ITTLFPDHAS VENEEEA VEK LLAAYPQARE IQVSARDAW FIGLCRKHKK
PMPWVPAIDA DLARWWGLDT LWQSQNERYG ANSVRVIPGP VSVAGIDRVD EPVAELLGRF
EAACVDALDG EPEEIFARLN ESKNEREFLL ATPHIVWHGN LIDNPAHVLN EGAFELIEED
GYWVIRILAD SYFDDL PVEQ RPYLVQHVDI PVELGDAG

> RXA02169 (1-846, translated) 282 residues

LDMQINRRGF LKATTGLATI GAASMFMPKA NALGAIKGTV IDYAAGVPSA ASIKNAGHLG
AVRYVSQRRP GTESWMIGKP VTLAETRAFE QNGLKTASVY QYGKAETADW KNGAAGAATH
APQAIALHVA AGGPKNRPIY VAIDNPSWS EYTNQIRPYL QAFNVALSAA GYQLGVYGNV
NVINWAIADG LGEFFWMHNW GSEGGIHPRT TIHQIRIDKD TLDGVGIDMN NVYADDWGQW

TPGNAVDDAI PTIPGNSNTG TGTGIDADTI NQVIKILGTL SS

> RXA02170 (1-774, translated) 258 residues
VSTVLLAGVV IIGGIFTLPO KEEVKVSELQ PQASAASIPS SSSTAGKAVE ESPLTQFVEN
STGSQITYMS LKDDFHTGTS TERFARPALS LSKLYIAEYV LEHGTNNEKS LAMEMIKDSS
DVSAEILYEA YPESIEEIIAD QYGLLSTRGD AHWGYSVTST YDLVKFVSAL IIDDPDSPIL
EAMRNASAVA ADGYPQDWGT AVLDEAEGSK WGWSDDLMLH SSVTFGEDYV VAAAVTGSKE
DLTQLVENQL-GEVVSQHG

> RXA02172 (1-339, translated) 113 residues
VNAEQITQGR RQPTAQEFRD MQASPEFGEL RSKFRSFAFP MTVAFFLWYV VYVLVASFAS
EWMATPVFGA INIGLIFGFL QFVTTFFVITY IYVMFANKNL EPRQAAIRQK MEG

> RXA02177 (1-933, translated) 311 residues
MREIFLISGD STESSLVFKT SEEDGAEFF IAVTDELHAI LAGHSEIKSA PEPEEHKEVP
PPVLEPVAHV EEPREEKEID PRISAPLTMS PREIQIRVRS GATIEELAE IGVTARVEP
YAHVLLERA RIADLAQSH PIRENGPAKL TLWEILATAF ATRGHDLTTA RWDAYKDATN
QWIVRVWKA GLSDNYAEWT LNLHNTSNPT ADPRTVAAD LIDPEFIQPV RTLTSVNSTQ
EQYDDETDVF DTVSPDDAP DSESDAVAEI TNDNEPEVDA EGPRNRRRKA VTPHWEDVLL
GVRANTKRPK K

> RXA02178 (1-870, translated) 290 residues
MPSQLGENAA IVTLWFVSAS DPQSIIRSEP RADRGYGRKL LAQLNPTWPI TPIGQFALNR
SVPASANEFY IAGFPGITII QTVLEDVTSK SKLNPRLLRS VPATDVYIFA VNEETTLGGF
AHYNGEIKR SFIAYEERVF EDNGIPGGFE TPYWAGKKGK RKTALSLPFN PIELVHEAQR
AWLGFDATTS PDINVVAYAT DGRPEPRIAA PRIINSEEV RSAREKLGLR ESAFYDDYEE
YEAPDRVVSX RITSNAKAA SSAQKFGKSL WRASREFGSN MAERLRHTDR

> RXA02180 (1-1458, translated) 486 residues
MTSGKSTSTR GALDRYFKIS ERGSSIGTEI RAGVVTFFAM AYIIILNPLI LGTTPDVEGN
TLGIAQVAAA TALAAGVMTI AFGLIARYPF GIAAGLGINT MVAVTLVSGE GLTWPEAMGL
VVLGDGVVIVI LAVSGFRVAV FRAIPASMKA AISVGIGLFI AMIGLVDAGF VRRIPDAAGT
TVPVTLGIDG SIASWPTFVF VVGVLCCGIL VVRRVRGGLF IGILGTTILA IIAEAFDSDG
ASFENGANA EGWSLAVPGL PDSFGGIPDL SIVGAVDLIG AFSRIGVVAA TLLIFTLVLA
NFFDAMGTMT ALGKQGNLVD DEGNLPDIKK ALVVEGAGAI VGGAFSASSN TVFADSSAGV
ADGARTGLAN VVTGSLFLAA MFLTPLEYEV PIEAAAPVLV VVGAMMMGQV TEIDFSKFYI
AFPFLTIVI MPFTYSIANG IGVGFIMYAI MAAAAGKAKQ VHWLMWLVAQ LFVVFFAIDP
IMEAVG

> RXA02181 (1-678, translated) 226 residues
MVDGHIRNLQ GHIDRLEAAA PTASQFHRI ITQLREAPGS VQAAVTIENN HYNVELRPPR
KLNSLVTLDT HGHDRERLHP KIKGHDIWQ NTATANSRRQ GADDGLLVDE SGQVIMAINA
SLLAIKGDTV FHSTHPRSLP SVLESTVIAY LQEQGCNAKP REQGFNINDL RSSEVWLVDL
LSGIRRVAAW LEYGSKFVPS ETRPVAAFVP TFSEVNDYLW STAQQV

> RXA02183 (1-525, translated) 175 residues
MASRKTGRKN LIQILSLIVA VLLVVLISVV FQQWNNRPE PLPQEISISA SSPAGEIEVF
PFSMCEPGVE CEENEVPTLE VGAEELHLT IPEAIHDHDW YLLTIYDDPA ANDEFYHTSY
DATEATVPGS VDPTEEGAER PRLVVVEVSA VMIGEDENGE ESPYTVTWSL STMNE

> RXA02185 (1-579, translated) 193 residues
MGRHSTKTSS AFTKLAASI AFGAAATIMA PSASAAPDSD WDRLAQCESG GNWAINGTNG
YHGLQFSAS TWAAYGGQEF ATYAYQATRE QQIAVAERTL AGQGWGAWPA CSASLGLNSA
PTQRDLSTATT STEPEAAAAP AVAEYNAPAA NIAVGSTDLN TIKSTYGAVT GTLAQYGITV
PAEVESYYNA FVG

> RXA02186 (1-219, translated) 73 residues
LFPEFERMYD MANVEKKHFV DPAWPEHNPA DGHVVTELIS KVAGASSPWG DDKEFPVSAE
ETGYVHPYTR INR

> RXA02187 (1-2199, translated) 733 residues

MKKDSPIPTL KGWLDTSQSD QNSTILNRNP DTVLPLPPNL ASLAARLQLR ASAIRAVLKL
 NALELGVLEA VANLGGELHP VTAPVVEYL HVALAEDLPA QDTIGAALAT LKNFALVYGD
 DQLMIAQETM AALPVHWRLL PEVSDRGQSE EQVRESVDKL SDRHRKLLHT LAASGGFGLT
 RDAAPDADPS RPIPQLLASG LLARVDEQTV RLPAMVRRVI EGREQLPAQV RPIPRTAAPG
 SNDGGIAAGL EVVRHMRLLI DALSHVPAPT LKVGALGVRV VTRLSKELDL DETELARLLS
 LGMASGLIRK GVPDPLPMD DGGDYVAPT LADEWMEYDL AHQLGTLMSG WWKQTYAPWL
 VGRADDKDKP IHVLSKTSII DSLPDARAKI LSSLSRVLVD NLHADLAFHY PLAASRMNPD
 TITQLVQEAQ WIGAYSQGV T AAGQALIDGE NPTEVIKAPA PVENFIVQGD FTIMVPGPLT
 PAMQKTMDSI ASLESPGLAS VYRLSEKSIR HALDLGLTTP EILEFLKEHS MTDLPQSVGY
 LLSDIARKKH TLRGGPALS IRSDDPALLH SAVEAGADVA LRQIAPTVAI AQAPLLQVIT
 VLRAAGFPQV AEDGEGASLN ISPPARVPA ASPPPVV PAL DESRVQAAVK AIRRENSASQ
 GTVSTQPTLS VLQAAVRGQR TVTLGFVDKQ GVAVHRVVKP LTVNAGQVDA VDEATGAVHR
 FMLHRITEVI VDN

> RXA02199 (1-570, translated) 190 residues
 MTDSTPQGST PGMSPEAILN GTGKPWEEWL KLLDDVKATS WTHTHIAKHI VDNFDVSGWW
 AQGIAIGY EY ERGMRKPGMT SDGFAANASK TLNLPVEKVV KLFQDDDLRA QWLDPALIEK
 TSASEPRTFN AKWLADDSRV SVNFTSKGDN KSSFGIQHRR LPDQDSIPVM KAFWKERIAA
 LVEVSKQFSL

> RXA02203 (1-378, translated) 126 residues
 MTIRATFQPS VDEFISTLEE FATGSYKED EKEFWDEPFD VKALPDLRFI LENYLDLSDK
 LGEAPDLDAV NASAQSTLDE LEKFNTKHHG AVVEPEEKEE ITKLMFDAK QTGADDLSAE
 AFPEFE

> RXA02206 (1-936, translated) 312 residues
 MVGSSGLRVS RLGLGTSTWG SGTELAEAGD IFKAFINSGG TLIDVSPNYT TGVAEEMLGT
 MLDAEVSRS A VISSSAGVN PALPLGRRVD CSRRNLIAQL DVTLRALNTD YLDLWSVGWY
 DEGTTPHEVA DTLDYAVRTG RVRVYAGVRG SGWQLAVTHA ASNHAAAASAR PVVVAQNEYS
 LLERRAEQEL LPATQHLGVG FFAGAPLGQG VLTAKYRSEI PHDSRAASTG RDAEVQSYLD
 NRGRIIVDAL DTAAGKLGIS PAVTATTWVR DRPGVTAVIV GARTHEQLSH LLKAESVTLP
 TPITQALDDV SL

> RXA02207 (1-759, translated) 253 residues
 MRRRSRVSRL LPATALLAST ALLLSACTQG VTDSPDMGKA TPAVSPAASN PDGQVIEFGN
 ITDMEVTDGD ILGVRTEDAL AIGTVSDFEA GSQVELDVVK QCGDLTATGG TFVLPCADGV
 YLIDAKPDL DELRATDKPV TVAALTSDDQ LLVGNGEDEE LTIYREGEEP ETFTVAGPNT
 QLIAPVIDR HDAVVRTWNE NTTIQDQDYP NDREGATLRV GLGVGMAGG EDGLLVVSDE
 MGGQIAIYNA DDV

> RXA02211 (1-453, translated) 151 residues
 MVSVLLIQPR QGEAVAAAER RDFLQATGLK PQELTSRMLD TTTSRIGSLE GFDGVIVGGS
 PLNATNFEYS DWQRHVHREL SLLINHPLPT IFVCYGNFTL TFFSGGQIGR THPEDSGATT
 VLLTDAGKRD VLTQDLPSDF TSFTGTHTENS V

> RXA02212 (1-498, translated) 166 residues
 MIPENIDLKQ LASELGDDAV AMGEHTGNQF PTLEKDLINV VTDAKESDFG SLGVVILDET
 PVMTSNLRDI AQELLIQTDL DTVVVRAPMS AAVVSDVHSR AALESQGHDL LGTTDYVLGT
 ELLVQDVTE TVGNIDWGQL LIWGLVALAI AVVVAGASVR RKAISL

> RXA02216 (1-306, translated) 102 residues
 VAPAPGHVVL ATGPTCPIQM LRANKNTWSV QFHADMDAVG MKNRMDFYSN YRFFSPEDYD
 RIIAELPSVD SIYANRVLRN FVEVCEGIRV ADGAEHQLPK LN

> RXA02217 (1-663, translated) 221 residues
 MTNKTRALLI GGHGKVALLA TPMLIDASVQ VTSMYRNP DH RSEIEALGAT TLERDVTTLT
 VEDWADLLKD FDVVVWSAGN GGKNGADATY AIDRDAAIAS IDGAASLGEK APRYIMVSYI
 GSSTHTIDPS ASFYPAESK KAADEHLSST NLDYLILAPA ALTLDENVGV EVIADTNEAA
 AGRTTSRVLV AEVITELVVR DFPQTRVLPF VDGESPVSSI S

> RXA02218 (1-267, translated) 89 residues

MFAIMTVTGQ DHTGIIAAVS TALAELDVNI HNVSQTIMDQ WFTMILHVGF DESVLDIATV
QERMKPVEKE QGLVIRIQSE ALFNAVNEI

> RXA02219 (1-1386, translated) 462 residues
MDDFSASLGF TDRSSRGILD TIEMIEKYRL DIRTVTMGIS LLECARGSME ETATAVYDRV
TSQAARLVEV CEGIERELGI PIVNKRISVT PIALVTAGCS GDPVDVARAL DKAAKDVGVN
FIGGYSALVE KGGTTSDIRL IRSIPEALST TDVVCVGSNV ASSRAGINMN AVNEMGKVVK
QAAELTKDRS AIACAKLVVF ANSVGDNPFM AGAFHGIEEP DCVSVSGVSG PGVVSRAIGN
LQGATLDQVA EEIKKAAFKI TRTGQLVGAM ASERLGVFPF IVDLSLAPTA EVGDSVANIL
EVMGLDQVGT HGTAAALALL NDAVKKGGMM ACSRVGGLSG SFIPVSEDKG MIDAVRTGAI
SIDKLEAMTA ICSVGLDMIA IPGDTPAETI SGMIADAAI GVMNHKTTAV RVIPVPGTVP
GDEVDFGGLL GYAPVIPVNT VGNSEFIHRG GFIPAPVHGF RN

> RXA02221 (1-1362, translated) 454 residues
MFTASIPTYE LGSFSKGSYV EIKGTYFYPD TLNTLFRNSG AKDNEEFFVD VTLVPEPDNP
HSTRGHAISV RWNLDVIGHI ASDMTEKFQO VRRVAASGYD ARVSARIWTN TNYKNERDFW
VSVKLPDPDF LVPLNDPPHD GFTLLPYGTA IQVTKESDHM DVLSEFVPPS GQGQILVSLH
IINAGVRKEW DGIEVRLDNQ RIGELTKASS EKFAVVRHF DDLGLSTLCR ALIKGSSLAA
EVTLYGARAH ELSEEDLEPK SSSPLPRLVE YQSNPFNYQV PNRWPGEQNO RAPKSQKSSS
SPFAAYRGPS QPSKSLTPFV AQTPAPQPSD RFIDWDSLLQ PDGTPRATPF QRGVTRGLIG
KHFSNQKSPR IDFATVGQCD AILRTFGEPT DKLYKDGRS WPLWWALMAI VTLLVMLLNF
IPGIGPIFPL IGLIVLGHF WTRRKLNPFF GRSK

> RXA02223 (1-420, translated) 140 residues
MSTYQDDRFPGDPYAPLGE KPSFTLTSTD LENGAKLAEA QLGGTDISPQ LSWSDLPEGT
KSLAITCLDP DAPTGA GFHW WAVFNIPTTV TEIPTGAGDE TLGGIEGVVS LKGDGSKRGF
YGAQPPAGHA PHRYLFAVHA

> RXA02226 (1-1056, translated) 352 residues
MTENQTPSST SAPKPGPRPG PRPGPRPGAQ VAAKKAATVAT PAPIAKTSND PAKFGRVEAD
GSAYVTTSAG ERLIGSWQAG TPEEGLAHYG ARFDDATEV ELMEQRLISH PDDATSIRTK
AEELKATLPT IAAIGDLGV EARLSKIINN SEANERAKE QKAKNRERAV ARKEELAVEA
ETLAENSSDW KVAGDRIRAI LDEWKSIGHI DRKTDELWK RYSRARDSFN RRRGAHFAEL
DRTRASARKL KEELVERANA LKESTEWNDD ARAFRDLME WKAAGRPRE IDDKLWAAFK
GAQDYFFDKR NAVAKERDQE FEANATAKQQ LIDEYDAQIN PEQGLDGARS KL

> RXA02227 (1-618, translated) 206 residues
VEDVNATLII MPGSPALVPE LAPADAAGAR LLASLRAVFD AELANDDRPI ELVGSRDEAW
FTKHAGNLRA WGAPSVQVSD GHYLPEILQR VALGGFESRV THVRDLGSLV -NDNTVTVLAL
DGPTGLTTRA PSALVPGASN IDAWCRSLLS GKPGEVPSTS TLIDASLREP QLWDLSSAVA
TEASTAQLLD SDDTHGVGRY VARWTF

> RXA02230 (1-537, translated) 179 residues
MGEQLPFANG SRSNKLPLIV IGLCCIMLIL WLKLPGVLLA TIIGVATMSV MRMRTSTPET
ASLVTSIRLS AEDISDVQHE WQQLTSPEA DALADRTLVR PALADPDCGD KAIEKFHYEI
SNANRFLGRL DARLQQLV LV SELETLLKVT DERALELRET WLDARKAAQK LGPNYNRES

> RXA02231 (1-756, translated) 252 residues
MTSDLKTIGM DFAKWQDAVE AAIASQRLEV TGEVRGGQLI QFSDDSGAQI NILAVEPFAT
FAGFNSATVA YGHVSMINDV LSLVDIIDPF GTPVATITCN LAQGPLLVD PVQRWQQIRI
TALGIDVEVH DNADAYIRNG GETVGMLVSE GAEKIASGSG AVIPDASAEF SARVLSAEYR
TNTLTGQRFI HATVDGLFAF DVCLPDAPEL PARDSVLSGK VMLTAAVIPT EVTGCGGSGG
GCGSGSCGCG GH

> RXA02238 (1-285, translated) 95 residues
VTNVSNETNA TKAVFDPPVG ITAPPIDELL DKVTSKYALV IFAAKRARQI NSFYHQADEG
VFEFIGPLVT PQPGKPLSI ALREINAGLL DHEEG

> RXA02244 (1-1533, translated) 511 residues
MSLEKSGGFR SRTPKAQEP AKQKPQARKS PSKKAPARGQ GQSQQQRQGG SSGKGGGNRK
PPAQAREVRA LGVDKPREIA FEVLDRVRTG EAYANLVLPR LLSKHNLSGR DAAFATEITY

GTLRNVGLLD EVIKAASGRE LSDIDPEVLD VLRLGAYQVM FTRVEDHAAV DTSVKMVGGL
 KKFQATGFAN AILRNITRKE PEQWLKELEP AEELARVAFR TAHPRWIAQS FSQVLPADDEL
 EAALAADSER PVVHLVARPG EISAEELALI TGGDEGKYS YAVYLEGGDP GDIEPVKDGL
 AAVQDEGSQ IARALVEIPV EGTDAGRWLD MCAGPGGKAA LIGALARMDR ATVDAVEVSD
 HRARLIEKSV RGLPVKVHV DGRITNLTTG YDRALVDAPC SGLGALRRRP EARWRKQESD
 IVELNTLQYE LLESVANKVR SGGVIVYSTC SPDLRETRGI VDKALGALEI EELEAAEFMP
 GMTDTGDEKS VQMWPHRHGT DAMFVAVLRK K

> RXA02254 (1-681, translated) 227 residues
 VIAALTDILG TSQHALDQIA QLAGAKGRII PVCAEPLDLE AEVSGLDSDA RVMRQVRGQV
 AVAATPGQVR RVRIIPDNPE PNPAEIAIL DADLVTLGPG SWFSSVIPHI LVPGIVDALA
 QTKATKTVVL NLTSEPGETA GFSAERHIHV LRQHARNLQV DQVIVDAKTL SSQTERNHVE
 RAARTLGAEV SFHDVQAEDG RGRFTSIHDP AKLCAALLAS FAGARKR

> RXA02255 (1-936, translated) 312 residues
 VAKNSVRAAE VSAILRFAGE MQAVGGKLV EANLDSMQVG MRLQEFIQGL YNSRVVDVHTV
 NPTVSRKTPR YLVRIIDNAD EIAARRTGLVT RSGHVVKGLA PSVVSQTISD AEAAWRGAFL
 ANGSLSDPGR SSSLEVLCPG QESALALVGC ARRIGIAAKT KDSRGFDRVN VRDAEAIGAL
 LTRMGAQKTR MLWEEKRIKR ESRTPTQGLA NFDDANLRRS ARAAVAAAAA VERAMKILGD
 DVPEHLAEAG QLRVQHRQAS LEELGRLADP QMTKDAVAGR IRRLLTMADK RAEDLKIPDT
 NSVVTEDLLE EI

> RXA02266 (1-513, translated) 171 residues
 MTQDEHPRQA DSHFNMLLPD GNENAHQLSV ALNQVAHLLA YDADSSIHRP DGLSLASYRI
 LFSLWTDGPM SPLQVTDKGT MKKSAISNLL KPLLAESLIV QVTAENDRRS KVLSSLSEKGT
 TYIQKTATRO NALESEWFGT LTDIEQDLLE SLLRKLLDSN RASKVRKNRS N

> RXA02267 (1-873, translated) 291 residues
 VQKWGLSFVE RIVIVNNVQQ FHRFFDDSAV YYPFCFVPLDR AIGEHFDRQN KPMSRFIGTL
 ILPLAKLEEA AQYTGDEVLR VSAVISTDGL ADLRRDFYEL PNIDIASVEI KLVGAALTNT
 AWLGDVEKLI QQHRNTFVWV EIPTALVTAD IVRKLHRMGA GLKYRTGGDR EELFPSPQDL
 VTVLRATAIDA ALPFKLTAGL HRALRYRDEK TGRLLHFGFLN IAAAVATLRA GKGEAEALKI
 LEGDDAAPLI HALQSGENWR DSFRSFSTCN VVEPLNTLID LDVLAEGDVH P

> RXA02271 (1-558, translated) 186 residues
 MSFLNSAKTK TVALTATFVG AATLATPAIA SADIVDNALA ALPSGEISCS QAEKYWTTEA
 DYNKVAQAN ALAMFDSRGP QIQAAARVD EAANRCGLKG GTVAAQAEAT EAAPAAPAPA
 PQDNTGTSQT APAPAAPAP AATPVVNLAP AGSPTFTIEV PGVGGVQLPD LYQIVQQFLA
 QFGIKI

> RXA02279 (1-1404, translated) 468 residues
 XARATALVDF LESQTVQDLN NPDVQTYLTE AELIRDDLRS WAVIKSNGIG QHRSCSIRRG
 NDEPLAIARK IIEETASHPE LRFENLEAQF SEFTILLAQS PENLDVARYQ ELRTQGNFVQ
 ELALDSIFGQ HAVVQDTGNG EAILDETIGY MIGAGMRETT ARTASQFAQL YSFVGRQERS
 IEMARLAFEE LQAAGLPHRE EELRLGMQLA QVEPIEAREI LEKLLLPKFE QNLTLDELET
 EALLPLGATV AIHDPQAAAA ILRHARENAA GFGNFELAVQ AMTMITDVLY TQNMHEQLLE
 ELNHSPLPYAQ MLDDQHQAEL KLLDSIAIVQ ADLGSTEAL TLGTAMGLAE TTAQKLYVQE
 SLNRAYFTFA RPEDCISGAA DASALAMQND DPSNAAQLE QCAQYLFQLG HETDGASLLE
 SAFRVEGIPT EQALYYANAL SSIYEDFGDS AKSQYWEQQA QEKQQLLE

> RXA02280 (1-753, translated) 251 residues
 ADLAETMLGL LTLETSGRI SIGEITTLIS TEDVSLQLAT TLDDFRQLNT IARPDTLIIN
 GGYIHSDLA RLIPVHYPL TVSTADLRES MDLMELPPLQ DIEKAKALDA QVTESLKDFQ
 IKGATRVFEP ADVPAVVID SKAQASDRDN ETQSATTDRW ADILATVDNT LSRQTANIPQ
 DQGLSALCLN WNNSLVRKLA STDDTAVVSR TVRLLYVQAL LSSKRPLRVK ERALLNDSL
 DLVSLSLSSD I

> RXA02285 (1-729, translated) 243 residues
 LVLDERWGV GLVDKWDEGG VEKRLFAAVL CVVGAGRHHV DERGEVRYGG AEAALLSLEG
 RVVGVEVEDG GHEVFARGVF LEAAHEVRNG HVEFLWAHGW YVKQQLTDVN ADGARLIGRH
 ALQHFELHTV RYPTLHREQM CECYVEKVVA GNAQAQALHV FFAHRPIEDA LVIGIGGLFG

RFCGNWPAGD LRVDVLHRQI STLDQANLNA RPACVDALAA ELRQVLDCTE GIGKVRLQHN
SGF

> RXA02286 (1-549, translated) 183 residues
MKNAKLFLAL ISAPLILAGC SSTDTGTAES TISSETASAV DATTSTSSST ATSAVIDDDP
VFDIIDIIVLA QYPDRIITDI DREDSSDQYE VDVVVQGEVL ELDVTTSGQI HTDDRDNDDD
DDIREAHAAT VTAAQAIGLA LDQYPDGIID SVELDEDDGQ LKWKIDLDDT SGNDLADVEI
AAV

> RXA02287 (1-552, translated) 184 residues
VYSISETIAR TLMPTDHFV DLMGNGNAWF VDALERLGRG IITVRPTVET VAAADTYHRV
TRRPAVATTT YGAGFTNTMT TLADVALSRI PLLLVGTAP SAGPRCFDID RQGLARAVGV
ETFTVHADDV AAVTLQAWN TPENTHVILE IPYDLAAATA TDPTVTTYLL RPGFQKLPM
PTLS

> RXA02294 (1-375, translated) 125 residues
MAKTKLESIS ERNSDDPLSY PDLTLAPIST TVTVVVAEDT PNDNFSELLL GAAESTRLLG
LDELHIIAPS VHLPALAVAA ADIAHHLPEK FQFCEAETCT HLHPDDDTYL TAESVAQLGT
KLKSA

> RXA02295 (1-780, translated) 260 residues
MGLELAASGW GILIAGAAVA GWIDAVIGGG GLVLIPLILA VMPQLAPVTA LASNKLAAVT
GTASAAFTLV RRVKPKDKLL ALYVLVAAVC SGAGALAASL IDKQIMRPLI IVLMLVGLI
VVFKNPFGTG ESKALPTGWK RWAAIVAVGL IAAYDGIFGP GTGMFLIMAF TALLSQNFLS
SAAMAKVVNT ATNLGALIVE IIGGHMWWTL GLVLAVANVA GAQLGARTVL GGGTRLIRYA
LLTLVVVMSV YLTWQQIQGM

> RXA02296 (1-489, translated) 163 residues
MRNQTIAAVA ALVLLTAATP AIAATPATAG NGLYSIDMGD EQKLTCVLFED EPSTEAHVVA
SCAATFPVTW KLLDGAHEQA AKLEITQAQD GELSVTASKQ PLITTMIAPT SITKPITVNR
LVVVPGENEV RFYATDPDVL PVLITPDSYE VLTDSAANKV ATL

> RXA02297 (1-1137, translated) 379 residues
LSDKEPDPE QIPEKPSRKV IALRWCIVAP LSLAVGWLF MWGVPAAWIL GAILVAGVCA
LTTGQDLPLA KGVHVFGRSI VAMLAALPLI SSSGSELVRF LIPGLVISFF TIAVGIVGGL
LLARSPEIL PETGVL SMLA GGASVMPILA RELGADFRYV ALTQYLRLLV VSMTLPLVTH
FFVPGGADLG SPPEKWL DVL SLGEFGTSIS VLSLLVLFGI VLAGPLGR LRLPAPAVMG
PLILT VLVSF VIPDDL SLPQ PTVFKIIAFM AIGWMC GGPL NMTALKVFSK QLPATFLFIF
ALLAVCAGAA GLLTWLWDIS FFEAYLATSP GALETVLALS SEGSAGPVVV TIQIIRLLAI
LTIAGLIPTL LRRILRRDR

> RXA02298 (1-1659, translated) 553 residues
MTLQSSDKRS PSLLDASSEV FVHDLAALSP TDATAWGISG FEGDLQDFSP DYWNAIAERN
RDMVADVDAF DDGTDNDDE EDFDDVDRVT ADVLRDRVCL DLALHHQGET LANLNNIDSP
VQTIRDTFLI MPRETDD DVE NLRERLSRVP DALHGYCESL AEAASQGHVA AVRQVEEVVS
QCEDLADEDS VLQHLGLDEN DPVVVEAQEA FARVAGWLAE QLAPHAPHVD AVGRDRYEMF
SHLHVGEFVD LDEAYQWSLE QLRDIDAQQL QVAQQLYGP TTIREAMKKL NADERYLIRG
TDALQEWQK TADQAIADLD GVSFNIPEQA RQVECLIDPA GTGGIFYTPP SDDFSRPGRM
WWSVPKTQEV FHTWQELTTV FHEGVPGHHL QISQTLVEKD LNLWRRVACW NSGHGEGWAL
YAESLMKELG YHEDPGNLMG YLDAQRLRAA RVAIDIGIHL NKRNPCTGL WDASYARSFL
RENTSMNEDA LYFELNRYLG WPGQAASYAI GQRLWNLNRD EASQGGTTLA QFHSKALS YG
SIPMGILRDQ VLN

> RXA02300 (1-333, translated) 111 residues
MKTYAVLIAV AGLALAGCSS SAPGIWRATE PADAYLEIAD DGTLSGTDGC NRLFGGWEKD
GSTITFGAIG MTEMYCEGVN DWLSQMHTAT VTDATMTIFN EAGSNIGELK R

> RXA02301 (1-717, translated) 239 residues
MDLALAQVDS TVSGLYDALD LIGVLLNGII GGTIARQRGY DIIGFLFLAL FSALGGGMIR
DMLIQQGTVA AIDNQIYLAL AFSGALIAM VNFKGRVWEL FKVHGD AIVL GVWAVTGSVK
AMNAGVAPLP SIFMGVLTAV GGGMVRDVAT GQTPTIFGGG TLYAVPATLS ATSMVIFHSF

DQVILGMIIS PFLGIALAVT AYWCGWVIPV NTDFAPVNLT VSQLRAMLSK AERKDKDQK

> RXA02302 (1-765, translated) 255 residues
 VATNRTSSAG VITSVLASAL FGAIFFISGA IEAKAETLVA WRVLLTAACY LLALLHPAGR
 KVFKEFWDTL RSQPRQILYF IFLVVLITLQ LWLFSWSPKS HALDASLGYL LLPIFLVIVG
 RFFFADYITR LQWIAVGIAL IAVTLKFVIS AQLSWVTFAT AAGYALYFAL RKYSGLNNAF
 AYGAEVLALS PLAFFMLATV EDPLSNAMLS MVILAGLAGA LAMALYLAAS TLLSMPMFGL
 LSYGEPILLF VAALL

> RXA02303 (1-720, translated) 240 residues
 DDPDPADRYIA HLPDRTHHTA MIMLGSGLDH SMPGVAFIGG VSVDDVPEVG GAIFHPSNPT
 GRWAVSFHSG GWRGSGDAL EFQWRPEVAA AEELSGTTIL DLDYPLAPGH NLHDMNEVVG
 KAVGYARHHN PVSITGWGYS SGAALAAINA SLFDALVLT FDLGSVEKLP AEIRGDAVVP
 AAAAWPTTFV QIAAQDEIAE RPEGELGATV KEYVSRHRIS TPKVAREKIT DVAEFLKTVC

> RXA02304 (1-891, translated) 297 residues
 MKTPRLLKIL SAMVAVTGLL IPTVVPMAAA DAAELSDNVP DRTQIAIINP DGSVQESDNA
 EESRPALSIA KLYLGYYVLA QGAEEIDIELV PDMIRYSDDF TADYLESEYP EAIPEVIDAF
 DLEDTEWAGF WGNATTSADV IATFVAALID DPTAQPLLD MSMTAEYAAD GYAQNFGTFT
 LSDVTGTFKFG WSDSLDVHSS VSFPGPFVIA ANTYGDAETL TEDVQDSVSS LYPEEVTITAI
 EEQVDQLCEC AAETHLGMH TGAELKAQLE GTIYGKTLSTF LPNSAPAPAF IYNLLAH

> RXA02307 (1-390, translated) 130 residues
 MSGTAIMYDT TVVPSKKEIA QAWTGYVDLQ GSYRLVDTV DGEVGEVLIS KDREGRLLOI
 PFSYRSAEIN PEQTLSTLEH GVLGKRWVTN ALGDPVAVRE FIRTILTGD GAARSDGVKG
 YLDIKSGSDA

> RXA02308 (1-429, translated) 143 residues
 MSETQSNSVS AVMPAQLPPG PAERTVYSYG VRAGDQVHIL RMEAFDSDAN IVGERDIEAH
 AEQVFKNLQA VIHEAGGTIN NIVSTTTTILA DVTDAVAVNA ARSRYFTGEV LPTHTVIGVA
 ALARPQFLVE ISAVAYLGDL SKD

> RXA02314 (1-441, translated) 147 residues
 MEWYQVRRRA RQLLIVLFIA AMLGAASMVI GPFLNDRTIE GNSGRALAQV TNVGSYRTTV
 DFQDENGIIH SPATGLLFPT GLGEGQRVWV NYAKSDPDLV KVEGRKWTLS IIPALSVAAV
 ATATWSVLWL GVGFRGRSD DANETTV

> RXA02324 (1-1086, translated) 362 residues
 MATTPPVTVL SGFLGSGKTT LLNQILHHRG SRKIAVIVND FSEINIDAAL IASEGHLTRG
 EDRFVELTNG CICTTLREDL VDSVGELASS DRFDHIVIES TGISEPMPVA ATFEWQWDDG
 TRLADKAPID TMVTLVDATQ FIDLIRKNTS LTEAMMGATE DDERTIADLL TDQIEFADRI
 YITKSDLVDR TVLEQTRALI ASMSPRARID LLIDGLNDGS PITDDILGAF LYDEATARAY
 EGYTEELNHP HTPETEYGI SSVVFRSDRP FNKDRLLQVL RSTTGLVRSK GYCWADHLN
 IVQVWHQAGP NLSIRPAAYW ANSEITPGTE LVLIGIHIDG PTLLALLQGA TLTDAEVAAL
 VL

> RXA02325 (1-870, translated) 290 residues
 MMDHAHSDCS PTLRRDLEVT GQLQPEKAVD LAAPHEGKVA NITKVTSSNM EHTITQASKA
 KEVVVLIGHS LLPTFQDLEK DILHFQAGNK GRFSVAIVDP DRSAADVARE RPKQIPVAVY
 VKDGASIAEF NSLNKEPVAQ WLDHFVSRET IPNEKEGDVD KQIDPRLWRA AELVNAGDFR
 AALALYEQLP QDATVKRAHA AVSVLARMSV ADRGEDPIEK SRRDPDDVKN ALAAADMYVL
 MNQPDOTALAH LAALLPKPEA ARRIVELLNL FDPLDLVALE IRAQVGNAMS

> RXA02331 (1-366, translated) 122 residues
 MELNGGRFYA RKLTSNDRID DVPALSLILA DAAQFIADAT TAWHEDTEYT WAICEQTSVE
 LLALARLDPK QRTLEVVPAG DPATQLPNPD VLAPKTIGDA VAEGRDTITR WAQGYLEISL
 TD

> RXA02336 (1-180, translated) 60 residues
 MKDTTEINWQ GYADGTAIRE AVIHSIEREV SAGEQPTPND LKFLGLFQHR AGYVGSLLTG

> RXA02337 (1-924, translated) 308 residues
MSKLYAGARI NALRRTHQLT QSALADKLDL STSYLNQLEN DGRPLTATVL LQLMKVFDVE
ASYFSPDRGT ATATRLAETL AMNQGPTMSM DDLLDFADRF PQLAQHIIQP AEVDPTHSSA
HDFVRDYFAT HKNYIDSLDR LGEELATAIG QPGLRVTRLA QLLDAEYNIT VRFRAPDITG
RRHFDPPSRQ ILLRQDLSEA QQCFLAEEL TFLAHAELLD TLTTDQPDLP SEAAIRLAKV
GLSQYFAAAV VMPYTRFLEF AQDKHYDIEL ISEAFGVSEF SACHRLSTLQ RSGASGVPPF
FVRS DRAG

> RXA02338 (1-480, translated) 160 residues
MKKSIVVFEV EGGSDKHFDG HRKDTMPIVN SINDAGWQAE VVYYRPEWTE GLFEYVSENF
DGYISRVPNG NIPGGERGYF DLLTRLSEAG LVGMSTPEEM MAYGAKDALV KLSQTDLVPS
DTEAYYDVET FHKVFPTSLS FGEARAQAKT WLHRLPHLAR

> RXA02339 (1-492, translated) 164 residues
PTDNLSFYPA QRYDLLTLAF EVRIGDMVQI NDMLAPPPVK LPEDPALGAD PTLTSTAIAH
PDSPLVWAYR AENLIKSASN DEEKIYAYAF ARTGYHRSLD RLRANGWKGW GPVPFSHEPN
QGVLRAIASL ALAAKLIGED NEYDRCRQML SDADPESVAV LLDK

> RXA02340 (1-639, translated) 213 residues
ERVLKQNRGS TGSGIWRVQL VDKELAASIE PG TALPLDTE IKCTEAVDNH TEVRKLGEFM
DFCDQYIIGD NGMLVDMRFM PRIVEGEIRI LLVGPHPVFV VHKKPAEGGD NFSATLFGSA
KYTYDKPEQW QELIDLFA DA RPVIAEKLGG DNIPLIWTAD FMLGDVVDGK DTYVLGEINC
SCVGFTSELD MGIQQLVASE AIKRIEEFAQ LTV

> RXA02341 (1-411, translated) 137 residues
MGNSLEKHIA EGDRIHVDLT SPLSAMLFI FELIVITGIC WMGIGFLDQL PGIDGTNPAD
SFPEGTRNLL VGVWAVLAAW RFGLPLIRQR RLRVILSDRK LLVRRAGLRT GFDSIPLSYI
QRVQRRRNTL VLGVGGH

> RXA02347 (1-321, translated) 107 residues
MDELGVGWCQ CEKDSITGKA PHPVNKPLVT KSIIRALGDV PDVMSNQDIS LVVVDLWKFD
TITPPIAESL MRSVKAVNGE MHPQYPTATA MAAIKHFSNT FDGQINA

> RXA02349 (1-390, translated) 130 residues
MSTAYFIAHG NDTYRPTESHS SGAWRDDELH LAPVAGLVIH HMERWRREVV GDALVFSRFS
LEV LGQIARD DVTLRTEIVR PGRTIELIET VAEINGRVTI RARAWLLKTS DLAHISGDTF
EALPSMTELA

> RXA02352 (1-555, translated) 185 residues
IYNTSSTLNG FIADKDNSLQ WLFDVPGSDG ASEDFGNFLS KAGTIVMGST TYEWLLKDLD
FISDPHKWTD VYGDRTWVF SSRNLETPEG KPVKVNGDV ADVLPALILEE SPENTDIWIV
GGGDLAQFF DAGALDRIIL TMAPVFLDEG QPAMPRIIES NRLRTVNVRE VGQFTEITLE
TIKGA

> RXA02356 (1-996, translated) 332 residues
MATVTFDKVT IRYPGAERAT VHELDLDIAD GEFLVLVGPS GCGKSTTLRA LAGLEGVESG
VIKIDGKDV T GQEPADRDIA MVFQNYALYP HMTVAKNMGF ALKLAKLPQA QIDAKVNEAA
EILGLTEFLD RKPKDLSSGQ RQRVAMGRAL VRDPKVFLMD EPLSNLDAKL RVQTRAEVAA
LQRR LGTTTTV YVTHDQVEAM TMGDRVAVLK DGLLQQVAPP RELYDAPVNE FVAGFIGSPS
MNLFPANGHK MGV RPEKMLV NETPEGFTSI DAVVDIVEEL GSESYVYATW EGHRLVARWV
EGVPAPGTP VTFSYDAAQA HHFDLESGER IA

> RXA02358 (1-291, translated) 97 residues
MVSYSVHGAL DIDGSLKKLT LDFLNKLATN PASPGLHIEP IKNSIDSRVR TGRVNDQFRA
VLFELHDEFD HHFVVGGFIP MMMPSPRQEK SALKSTL

> RXA02360 (1-2433, translated) 811 residues
MRGDVQKITK VYDGKHRTLE IPVYQRNYDW TEKQCSRLFD DLSEVVKENH RQHFFGAVVG
KPQGSWTWV IDGQQRLLTI SLFMLALVHS LRASEVEEGE FNAGYNIDLA TLIEDDYLR
GNEG NLKFKL KPVKNDNEAY QKLFGESEF IESENLTANY RYFRNVLKAT DLTAQWLWEA
IEKL RVMYLD LEEFDDPQRI FESLNSTGLE LSEADKVRNL VLMDQELKTQ EKLYEQRWNP

IEVCVKFDTD NFIRWYLTLLK TARTPRKQDV YEEFKKFIRN SKLPVEFILD DMYEYAKLYR
 DLLGATTGFI AADRCLKRFV PVMGDDVLPF LLPVLKDAKD GIITESDFLG VLKLVESYLF
 RRFVAVGVASN ALSKIFSTAY SDIKKFWTPG QSYSSLLAYI LKRRDGSGRF PSDSEFRENF
 ATKNFWNHNIH ENRRYLFDCLE ENADSNNDVRD IQTSLDEGSL SIEHIMPRSL NDQWRAELGP
 EYARIHETWI NRIGNLTITG YNSAYSNSSS ERKRTMENGFLVSPYRINNF IKKQKHWSSE
 QLIERTELLT QAALDYWPLP KETFQPPQAV LPTESLSDSL SFRGREIVAF EYEDYKETVT
 SWADMLQSVL KVLNQSFQRE LIALTNEEIC LATSNNNSNS LREIDHGLFV DTGSSTSVKI
 GFLRRVFTQL GLEQEALVET LRPLANDVEP RDDELEVEVE KKYSDLTKFT PQLEEAENLE
 GADTEVIPLL SKLKEQLTAF SPENPQAALG GLPVPEFLKQ NVIEQLSAEH ILAVLTQHFN
 IASMMGDDYL LEELRSGRLR ELLQRLEELD S

> RXA02361 (1-651, translated) 217 residues
 MELLSHLLAL DPASPRLTVY NESTGARLDF SAILTDNWS KVGNNLLEEL DLEEGSLITI
 DLPVSWQAAM IMLGALATSV EVSFDDPEAD AIFTSIDRFS HYKGHSVDLI VSEDPFGRGV
 VEGGGELPNG AIDFGPTVRF YGDQFFQPTR TLPEIIQHS VPGARVLAT GWSIDIESFNH
 QVLEPLAVGG SAVIVTGLAD IERLNQIATN EKTTHRI

> RXA02362 (1-3699, translated) 1233 residues
 VTISRRLKQE RSFADDLQDL KTLNDQLRFT NAKLQARISG IGNDGKKITR PTPLLALDFQ
 LTVEEYETII AILVEAVGGN QSKPAILKDL FIEYPLVFLA ALSGTAMLD A QEGFWPAFWK
 RTQVSVPEHV YDAIRKELVN SIKNGLETFLADLNRREY VGLIQLHSGL SAKDMLALVK
 FIDHTRAENQ GWDGSGEDFAS YAKSVFSSGD NLLTTESLQ LVTHIPARSV DFIARVYELT
 NWYRDLKDLN EVEAFVGTG LPELSFKFLL ECLSGEAEQI AEKTKAAPAS LENLEPPHLY
 LDPQSFEELS VFPAISKTAA LQIPAPEWTV IYDGNISIKVR PEQDWSYGGF AEYRLPLDKP
 LSSLRVITPT EKSLILIEGF GHKNPIMFFK NNGQPYANQE MLSGNAVTAI VPAAAIIRAR
 MRASKTFNYQ DLGPLSGWNK WVIRSIPLKR AESITVSHGG FRKELPVRRK VDVQWITEDL
 TIENLQGLDH EPVFHTSPRI EFPTSGSNWV IQYSQILPDG SLIEMEDYPV EPENFGYELD
 LFEESDDPWV GQFLVTLLKD EKVEYTRKFN LAEGLDLSLT FSGGGPENRF RYPSINQGQT
 GLTKTFARFS SNSEKHIFRP DEIIGLDAFT SQKAFNIASG DFPEDYNLDV FITPPQLHYQ
 VPVTHSQTKW ESTKTTLDEN DFADGNLQIR FPNVYDPNL KIIKMVAYKK PESSEPKYLS
 KIGSSKWSI PMDRIKELMD DDAQFLIAE WFAESKDQHR EKIISEAKRT GKISNAALKS
 ARPQPQASSH IATIEKKPLL AAAEIKLSTV ELEGHRTSK RLEGWAWALS NPLDPPIKVD
 FQGTSGSLPD THFVVGPLIV EVREKEFLSQ WQPKVPSVKA VVANDPSFEL DPQFDPFLTH
 RWMFAPRSGK VLLPQEIRTV WDARFNMRHV LAQRENHVK SIQDFDDATS TYLTSDPRVA
 LDELDKSSIP SNHFESFIR SGLAELSFEV DDTAGDIHRV PWIGLIQEMN DLRILQIQGY
 ETEERAIER NSQSYIREIG GSELWNILKG NSEGLSLAQK CAPQATEINV IRNSGLEAMR
 NGLGADQFSA EFISADSRRL AQLEWLENRR ELNDLGQLPT LFDFAEKYEV LIDHLGDDRI
 KVTARELSTL ASEHRRGNAE NWLYAPYVSF IYSLNRMIA HEVIRPIAQI NYSRHDWANA
 ARLIPRLTGF DLVSAEAKVL SAINNNNIIP TAI

> RXA02367 (1-609, translated) 203 residues
 MSNAEINPVE YEINNHPAGT ALNPQCEDGA NVEIITSREV PLGGPRAMTV HRTLPRQRQS
 LIGAWCFVDH YGPDDVSLTG GMDMASHPHT GLQTVTWLFE GEVTHHDSGG NHAUVLPGEV
 NLMTAGAGIC HTEVSATSTT ILHGLQLWTV LPDKDREGPR RFDHYAPEEI TLEGG SARVF
 LGSFLGQTSP VHTFTGSSCF RVH

> RXA02368 (1-675, translated) 225 residues
 MIVLAGATRV TYEVEPWLA PLFILAFASI LIPFPISKTK GLRDIDAWKI HTTQGDKKRA
 IRQLIIPATA LAIDIIGLPT LFNAPPLASA ALFGGVYAS LAWAAAYRADQ LPRIRTKERL
 AELSQNASLD DVRSDDLVL EQPESRELVR CLLAHGAMDG TRVMARQVAR VLDTEVDEVH
 QVARSLAQHG LVSRSTIMPG GDPGVFIEV SLKGISAIA LESGR

> RXA02374 (1-621, translated) 207 residues
 MSYDFVLFT DGDGPGSARIS KTPLTERIDF ATPSTTPVLE SLSAGLAETV PDTVKLEEDA
 IHLSGDRCLY VVTNYSAAE AEWLTAIAF DYGLGLADMN ADTILLFGDE DSDAVVQIDD
 WFSAPAFSAYG LPHLLVEVMR LKDSKTPYLR VTLAADD SKF IQTLYETDNK QWLVTSSST
 GTDETHVKTI NDVLERIETW FNQETAV

> RXA02381 (1-1023, translated) 341 residues
 MSVTNFRRL AGIAVIAACV AATPTAQAS SGSSGSSGSS AGSSGLWDLF FPESHESFIE
 RLLDPLDDSH ISIHDPDLTPD LYEEVFDPPQ IGECPAVVAV VARGSEQNLQ IRPARYSEES

PWTSNGFEEL NFRSFFGRME KHYRESTGES LMKDVYVMGL NNIEYPASLP LSSEGSSAIE
 LGTSISSGRD NVISAIDRFE SATGCTPKYL LAGYSQGVLI VDGYYEELIA RDQYLGTLHI
 ANPAQQVDDP TLVGHEVTTG GLASSVEPVE DNPFKVSYCL PGDIVCDRSF EQFSAAGSSI
 AAAQLSTGNI RPGRVHVQYF VTTQPWDEQI FDEVASWIEA A

> RXA02383 (1-603, translated) 201 residues
 MPVRVIVDSS ACLPTHVAED LDITVINLHV MNNGEERSTS GLSSLELAAS YARQLERGGD
 DGVLAHLISK ELSSTWSAAV TAAAVFDDDS VRVVDTSLLG MAVGAAAMAA ARMAKDGASL
 QECYDIAVDL LKRSETWIYL HRIDEIWKSG RISTATAMVS TALATRPIMR FNGGRMEIAA
 KTRTQSKAFA KLVELAQIRA D

> RXA02387 (1-678, translated) 226 residues
 VWWCLPTWIK AGQDAVDLAL SAAVDPSPGT YLIVMHSGGG RSKSMVKKLE KVAVVHDAAK
 LKDRDRPGWV KQEFKNHKVQ VTPDVIHALL EGVGSDLREL ASAVSQLVED TQGNVTVEKV
 RAYYVGVAEV SGFDIADSAC AGQMSKAVAS TRRALQLGTS PVALAAALSM KVGQIARLYS
 TRGRINGFEL AKELGMPPFV VEKTAKVARN WSGDAVSEAV ILMADL

> RXA02390 (1-669, translated) 223 residues
 VEWTAFTGLI LLNLVGSLSL GPDTFFLLRL ATRSRHAHIA GVAGIVTGLT VVWTLTVVGA
 AALLTTYPST LGIIQLVGGT YLSFIGYKLL RSASRELIDA RQFRFNADAR PIPDAVEALG
 TRTQVYRQGL ATNLSNPKVV MYFAAILAPL MPAHPSPVLA FSIIVAILVQ TFWTFSAVCL
 IVSTERVRKA MLRAGPWF DL LAGVVFLVVG VTLLEYGLTG LLG

> RXA02393 (1-282, translated) 94 residues
 MAESLVIINI DEKSAKLLID AARHHIPTRF TGPNAKPLSV IPIEDPRSRP TLHPDHGWMW
 PLSPPVVDL LGGGLKIGET ELESTNIAFI VDAS

> RXA02395 (1-732, translated) 244 residues
 LITMAIPSTI LILAFITFGG TAITMNRNV DGFDGSSSKE QVLFDMFSNL PLYSITPFIL
 IFVLAVFFVT SADSASVVMG TMSSQGNPAP NKLIVVFWGL CMMGIAVVML LTGGESALTG
 LQNLTLIAI PFALVLIVMA IAFIKDLSTD PAAIRQRYAK AAISNAVVRG LEEHGDDFEL
 SIEPAEEGRG AGATFDSTAD HITDWDYQRTD EEGNDVDYDF TTGKWADGWT PESTEEGEVD
 AKKD

> RXA02396 (1-279, translated) 93 residues
 MATTASKIST IRPAQQDALW SVREDLHARF DGLVDPVQVD AILDHVASNR EAKITVFSKI
 FIAREATAAL QQIAGNVNAD LLDLFIALNRG MAA

> RXA02398 (1-1530, translated) 510 residues
 VVEVKKRNL VAPLTASLVF CNLAVANAV EVEAESPVVI NEVESNSDPV GDWVELANTD
 NNSIDISGW SLVDDKEDLE NALVLPEGTE IESGGYFVIY TDSADYVPTN NTFGGQYFYG
 LGKDDTVTLR NAEGEVVATY SWKDLGEHAE NTYGRIPDMT GDFANTGVPT PGAKNVAAEG
 SGEEEGVVAN AQLPFHNVEI TPIHLGGDT GEDMSGVDFT ANSTAWIANN DIGKIYSLAH
 DIANNYKLT GEWETGYPEG GGEPAEGIV AATNGDIYLS TERNNADKNV SRPSILRFAT
 PTGKTGVQNA VQEWDLSEFV GDIQPNNGLE AIAQLEDNIF VVGVEETGDV IVVDLSADQP
 VLVQRYESSF DGVMSLDYNA ATKQLSVVCD EACDGLSEIL EWDGEKLYKS DDKIYERPA
 LGNWANEGFG TYTSELKCN GNTVSVTSYL WADDAATNEG TSLNSAQVIN GDCGDVNIPG
 ESSSDNSSSD FATGSIAGAF ATAVLAVVGI

> RXA02403 (1-765, translated) 255 residues
 MTTFITSGGL EISPAGAHIV HAESPEGELL FVSSASQYGE GNAIRGGVPI IAPWFGGLLG
 LDPAGHWAKR SAWDVTEHDG QIHAHYGRDG LLLDIRANST KNGFEITLRA YNDTDEARTV
 QLAHFHYFKV DDVEKIEVRG LDGVDILNRL NNEVETQDGP VTFDGEFDRI ALGTPVVRIF
 DTDRIITIEG DGHDSVTVWN PGESRASTVA DIGEGEWRDF VCVEPALLGA DQKGVVRVAPG
 QSVTVGMQVS VEKRA

> RXA02406 (1-549, translated) 183 residues
 METLAAQART LLEKGVAPT HASFVESIAK AIPILSILLT LIVTVNGISS GNPVQPPALE
 QVRTDVVNKI NYERNLGLV SISPELELHT AAQTIAQRNA DSDSEEKVPD PEGTLVLVQQ
 NLPYANANAD TIVDRFLNSP DHVKLLAND YEAIGVGAVY KGDHAWIVVE FTVAPADSV
 STE

> RXA02407 (1-306, translated) 102 residues
MNRQNQLHYP QEVKAVESVE SSLNMSSPSA PLATPDVELD VHTLSSSENLP WLCIVWDDPV
NLMSYVTVYF QTVLGFSSKKR ATELMMQVHT EGKAVVSSGE KD

> RXA02408 (1-828, translated) 276 residues
MLIDVAGFLL GHVTKGDTGC SVVIAPNGAF AGVDVRGGGP GTRETDLLEP HNSVQQAHAV
VLCGGSAGFL AAADGVMTAL ENRGIGFPVR PEGPIVPIVP GAVIFDLLVG DPKNRPTAAD
GEQAVENAF A GTHNGSGSVG AGTGATAGRL RGGFGQSSRR VGKYTIAAGV VANPVGEVVD
LTTGALFGRP EVMGVGVDKL KSAAETLNTT IGVVATDAPV TKAQAKRLAL VAHDGLARAV
RPSHSPMDGD TFFAMSSGDG SGVTPVELGE LSAHAA

> RXA02409 (1-414, translated) 138 residues
RAQSVPKDPL AEMTGMTSGH KEAPTDPALA RLLPDFQHEG DEEYDGDNSF LRLSHEGDIT
RAKLENLRVI NDALGPDGNV AVTASEEEAH AWLAALNDIR LYVASGDVVR GEAAEEDREN
LVQWLAYNQE SLLEAMMN

> RXA02412 (1-480, translated) 160 residues
VAIIVIAFVL LFNSLVAPNN SSSPVASPST SESVEQTISE SPESPSATED QPPSSATETP
RNRPAQPSLP AGASPANDAA ATQTDAGNLN NVYTGSASTS AGFAQAVRDA FVNHYLDTNE
LSGRVTATSP VTGGNYTMNC EDNGEYVTCT GGNNAVVIIS

> RXA02417 (1-2124, translated) 708 residues
MDMNSSDRLA LRTALEKLSA SATAMASASN DIKDLVARLD AQEMSLIDAN PAPTAPAPTAP
PEAQLEPQPL VYATASTAPA LADVSGTNRI PRFVRHRAID PASEGWPLGV EKQKVQAPAY
PHPVRPARPA KPPMTSEEKI MRGVAIGGGV ITVAGVILLV SVAIQRGWL G PLGRVIGAYL
LAVLLLGAH YVRKRGRTRVE ALVALTVTSQ IAFLATTS AI IFILEWWPPG LGSLVALIGN
IGFLIVGRLW SLSKTEKSAA EGHTVFVGAI AVSGFSAILF ALSADAWWPI FSIVAALLLS
YRISTNIIRA SMAAFVILQ FVLSASWQTM EWPATIVGTI TAVLLVALTL WDPFKITATD
SHDIALEEYV RSFETNPVST WVGAVSPVLI VFITTSMFIA VDWPWLALIP ACABAALGIF
ALRSSDTASI ENQRMSRLIA VVGLALIAET FVQLFYGDL TNPLLVMVFL IAGAALFMWL
RMLPPQRQLG VVPWVAWLIA AVAMTGVLLR NVVSISPLWL TDTQALIQAL LILVFIAATI
QVRRSFYGHK LWLQILVGLT LLTSLAISIV TITTFIGRLI AGNAGMMLGF LIGHATVSIL
WMVIAAALML NRKLLDAPGA LWTGVGLAVA GTFKLVFFDL VALSGVPRAI AFLLSGIALL
TIAAMRGRRT SENKADVARP QVARHGATSH KNEEPSHESP SSSPTTTL

> RXA02421 (1-810, translated) 270 residues
MTLLLLKPILQ AAGINPEDAL AMRHVFISIH EDTNSNGITR ESKDEEILAY TASQSSDPRR
FPLNPPRFWM VFIREGGSQA RLWKVVENHG -EVTNDGVRRV FNLTEIELMD DLAGRLVIRW
NSPRKWWIKG TTAALYTVDT IADAEPIFPF GFDNLVLSYP FLQEVMPREPA YASWRTALGA
VKGIYLITDT RTGRHYVGKA EGLNIRQRW NSYATNGHGG NVKLKQLKPD TFRFSLLRVF
DPATPTSIIIN AAESHFKIAL DTIKHGLNAN

> RXA02423 (1-216, translated) 72 residues
MIRKLARPML ASVYVADGAE TVLNTSAHVE GTQVVLDRIR YVLPRKYAKR ISRDPELVTR
VIGGTKVCAG SC

> RXA02425 (1-630, translated) 210 residues
PGAFDELTSV WGEKGGSWAA VIGFFGGIAL IAIIDRLVPT AINPHEPSTV GGAVEGFERR
NRMMKMGVLT ALAIAIHNF EGFATFLAGL SDPMIAIPVA VAIIAIHNIPE GIAVPVPLRE
ATGSRRKALG WATLSGLAEP AGALIGFLLL MPFIGPEALG LCFAAVAGVM VFISVDELLP
TAISSGKHHT AIYGLIAGMA VMAISLLLF

> RXA02427 (1-387, translated) 129 residues
VDFELGKRCP CGTGLTYGEC CYRFHSGEWW APTAEALMRS RFTAFVAVGNS QYLLDTWDPE
TRPSELGLDM GIDFYRLDIL ETTGGGPFDS TGTVKFQAFY KGLASGVQEE DSTFRKVNKA
WVYSTGDVD

> RXA02428 (1-1134, translated) 378 residues
MAATLDLPDT DPIAYAMFAH CFTGSRFTPA AARVSKTLAE SGVACLRDFD PGLSQSEGDF
SKTTFNSNVD DIVAASQWLT EHYSAPQLLI GHSLGGAASL KAATKISCLK AVATIGAPFD

PAHAVLHFAD RICDVEDDQGA VTLQLGGRDV TISREFLEDL AEVNPEDHLR RLRKPLLLH
SPTDQTVGVD NAQLIFRVTR YPKSLMTLDK ADHLLTKDGT AQRAARIAN WVEPYLVPEN
VCEDLPEFVA EASTIKASKY GAAIRTGGHN FITDRDKSQG GKNLGFTPTS LLVSALAAAN
SQTIKQAAD NRIKGLDDVK VTISQEQSAD HGQIKLRRKI SLIGNLSAD SASLRAASNS
CSITQLLAQG IVIDDEVN

> RXA02430 (1-186, translated) 62 residues
MSPVSRRAE FRINEGEFEV VDVGSLNGTY VNREPRNAQV MQTGDEIQIG KFRLVFLAGP
AE

> RXA02433 (1-600, translated) 200 residues
VKLFKATAVT FTVAALALS ACSSDDSSS ESSTSSSTSS AASDAATQYP TAEELNAILA
VATDPEAPIE EKVKTVQGSE NAPELFETMT QAKVESGAEF QVVGSVLPY DPTSEVLTTV
MFQLPDRAEQ EAEGVEFVNT DGNWQLSQDW ACILITNTVA PEQVPAMCVG TDASSAGIEE
APAEAGAVVE EAPVEEVPVQ

> RXA02437 (1-810, translated) 270 residues
MSTIGNLKLK VDGARKAYGT YADYDRKVS ETYDALSQAA GEYAPKAEQA VETARESAKE
FYTESRDKAG NVTKAARARL EKALAEADKQ GTSALKDARE SGKKLNRRAR RKADKAAKAA
RKATEKKESH WVRNLSLAL ATSGIVAVAY AFLNKTKEK PGTQPPRVEV QLKKAVEQDE
PEVVAEAAVE EPELVYSTES PETTEAPAEA TETPAETTEE EAKTEAELEA ELEAEADAEQ
EAAEEAEAEA IQAEFDKKNA PQTQSEKKK

> RXA02443 (1-954, translated) 318 residues
VILKDIFNNG ELFGASSAKN FRKLLAVPAV AASLAFGITA CSAVDDTPDI VVTNINLGDV
VSHIVGDSAD VQVLMKPNAD PHSFGVSAQD AAAMEHADLI VANGLGLEEG LQSNVDNAKS
QGVVPVLEVGE HIDVIDYSPG VPDPHFWDTP ARMIAATEVI EAELIKELDP SLTESITQSA
QHYREELVAL DEEVTELLSG VAPENRKLVT NHNVFGYLA RFNYTVIDTI IPGGSTLAAP
SASDLNDIST AIEDNNVPAI FTDTSPPQL AEVLASNAGI DVQVVSIFTE SLTDADGEAP
TYISMQKINA ERIASTLS

> RXA02444 (1-1278, translated) 426 residues
MKNSKLLLIA AVSTASILLA SCGTDSADT ATASSSATAS SEAHHDHGHE AEGSSSTAVEV
SSPQARIVTT YDGGIITLDA NTLIELEDTE LAGFNRLNSA GDGRHVFVST GGGFQLFDTG
AWTEPHGDHT HSYTATPELT DITYSTDKPG HVVNHAGKT VLFGDGDGKI IFDTASLLKG
DEVEPEIKNA LKAHHGVAVV LENGDLHLTL GDEDSRNGAV VFNAAGEEIA RNEQCPGVHG
ESAALGDAIA VGCEDGVLIY KDGEFTKVQA PDSYGRIGNQ SGSDVSPVVL GDYKVDKAD
LERPERVSLT NTETGELTLV DLGTSYSFRS LGRGPAGEAV VLGTGALHI IDANTGAIN
TYPVIDAWTE PEVWQEARPT LFINKDRAYV SDPSNNELHV VDLANGNILA SATLPGTPNE
LTGVSG

> RXA02452 (1-180, translated) 60 residues
MTPAGPAQLL IVALVVIVLF GSNKLPDVAR SVGRSMRIFK SEIKEMNKDQ IESSDQTLKN

> RXA02454 (1-813, translated) 271 residues
MHLLNFYWD VLSNLTFR DAETYSAYLV DAETGEFQPN LSESRRLYDV DIARVNIIGE
LMDLQAGECL DKSIDVIALG GLVESSYLEL WTELTAESV DASEYWRLE RIDRLNQLGF
DVGELKVT KD SRQVVRIRP VVVDPGHYRA ELLSLTGLSV EEHQARLLG SIQAYQAVEC
GPHVGLTQAA HLWMTNEYEP TIAAVPVEML DKLEPAQIFH EIVDHRWFLA QERGGAVTLF
EATASYLESV LPARRDEARL LSTNPSDEDL S

> RXA02457 (1-1110, translated) 370 residues
MFYFTVNNPQ DPLSTEIVET NRRDLAFWHR LRPKDDDDLA TAINKICVRT GLSRKLIAC
LFSICFLPYL PNFHKLVEKL GHLDMARINA ITKAGEKVPS EKRELFDAYL VDYLTPEAE
QCLPQASSIS AMMRKFIAQH CPDDKASSAT NDGSIRYRRN NKGGISITVD ATASEVTEIK
AALEQMSKDK DCTPGTSLH IIRGLPTKV LNTYGTCDSP EYLEGGTWLS KEQSEFWKTR
TTSSRDMDAA HFSYTTAYAP TREMRVIK LRTTCSVPGC SVAVENCQLD HIIPWEGGGP
TTPWNIHPLC VFHHIQKTEG RLQCYPLPDG TVLFLVDGIP VFSIPDGPLS KSNKTWGTKF
GKYMERIAA

> RXA02459 (1-735, translated) 245 residues

LARRSYDESD VRVRPGKGTR PRTKDRPSHE NALVGMVVTK DRGRWGVVLD GRQDAIVTMR
ARELGRTAIE VGDRVGVVGD TSGRPGSLAR IVRLEERTSV LRRTADDTDP FERIVVANAD
QLLIVSAVAD PPPRAGFVER ALIAAFVGNL QPVLCLTKSD LADPAEFAAE FEALEVPVVV
CGVDDPLDPV LEVVEGHITA LIGQSGVGKS TLVNRLVPEC RSLNWCVRVG WQGSAYVDAV
GRSCH

> RXA02460 (1-504, translated) 168 residues
LRVYIPATFS TLRGLNESRV ITARSGYGFA VTPALLDFYT DGDEEETAHA AFQDAAEASI
RLLAIGDEET FPYRRVVSV DVDDSVVTYQ PENGESVVKL SPAHINLDDV AAIHIDVEAS
EADTKKAIEV IDESDLGEED AELTVGDAQD NFWAWYDPEE LPFLVELL

> RXA02461 (1-408, translated) 136 residues
MRGLIVDYAG VLDGTDEDQR RWRNLLAAK KNGVGTVILS NDPGGLGAAP IRELETNGVV
DKVLLSGELG VEKPEEAAEQ AAADAIDLPM RDCVLVDDSI LNVRGAVEAG LVGVYYQQFD
RAVVEIVGLF GLEGEF

> RXA02464 (1-507, translated) 169 residues
MGTTTPDDSRP PEITQDIEIT DGRIVAIGQS VAAVYTNDPS PRIVSYNDG ELVGEQAVDE
VEFPDPPFQS ATADLPHHMS WFNGDSLVL F SPTQLNVRQS FNDALGTGIA LNSLLYPTA
EGITVANWDT GEVQRTIPVD RAGYDGEVAL GVGQVIVEK RGSEIVALG

> RXA02465 (1-399, translated) 133 residues
MPASIRWGGI VALIQSTIGF GYAFFLIYRE ATGETDPSIV YETDNANTWV GYGTAFFII
VFGTVVAGAI NMMKGHRWGR GAVVMLNIIL LPAAYMFIE GRFSWAIVTG ISALFVLGAL
FNKRAVLWAN NEI

> RXA02466 (1-87, translated) 29 residues
VGEQEQTFT YVIEIEDGVN TAAYGGDDA

> RXA02467 (1-225, translated) 75 residues
MDIKIGFADT ARELVISSAL QQDEAAAKVS EALANDSGVL DLSDEKGRRY IIRNSRIAYV
EVGTSAPRTV GFAGA

> RXA02472 (1-291, translated) 97 residues
MSFVNITALT FPAGAEKEIE QRFAARKKAV DTAKGFQEFE LLRPQFGEDR YFVVTRWDSR
EDYQAWSAR PAGNHADDEQ RGMSVEVLGF DVPLEG

> RXA02473 (1-741, translated) 247 residues
MVAEYPDGSS EIFPVTNLNI PEDTLVYDAV YKFKSIRTGS EDQITPFVSN QPDVPFPAGT
SFTLTGYEIE DQLRSAGWKF ELNPVTGELS VTPISVIYP DGSRDNTIAT MESVGPDDSE
LFKPDFDLIP IKSGDYIEIG VLAPGLPAGT EFHLDYYALP DRFFDLGGST SLSGNGKFSL
GVPLTWNDL QLPISITFPD GSHTVENLHV DVTANFAGN PIDEPKDDDK DHPQAPKPS
GSSFGSS

> RXA02475 (1-1155, translated) 385 residues
MLGLSRRKFA MLAALTAGIV GVVATGCSTP AEPETIDNPV FIGISIDPIK NLSPNHAANL
FALSADGSGG IFQELAPTYF PSIHRLGNF IAPDRDSL V DASLKEVYR HEVARLGVGM
QTQSARSPLH KSVAFSNEG TAEAPYRHRI VSATEKTSAS AMTDQRHFAL TACDDGSTRW
VEYSPDRGME DPMGPGSARI VTLQADGELS EIDVEWNFPD RPSAPIILSC EDPSAYIVSE
EDIIYVKDEV SPAESIGKLP AYEIPDRARF DTVSGEDYFA FTSTGMLTRI NIPQAKIVYA
QSIDLYGKHP VSITFSDRA YVVTSGDSGE SLLEIDLNDP TCTSDQLSLT GFNKLLTARK
PKPEPSIIIE TILPIDPNYS LGCKS

> RXA02478 (1-1236, translated) 412 residues
MRTSLIARGL YRIPALVWDQ GLLTLFDARL SVDDLPAID VVSARSSDGI TWTTPPEPAIV
ETEHRGVGDV CLVTGDLCHF GLSNLAGFFE DPTDLEPRLA RRDVSGWTSI SMAHYFADVD
AAFASSGTGL VLADGRWIS FVVRRGREIS LRILRSDGHI TDIAGGNESA MTQLPSGRIV
LHSRGVGHRL SSVSDDFGET FTPLEPVPEL IDPGCNGHVF YWKAAGMLAA THLADPDLRR
HLVVDLSSDE GATWAHRITI EREEAAYSTA AEMPNGDVA VWEAEGTRAI KCTVISVNDI
SLRIDEPISD AISLRHVVIN DDHDGIEVAL PDASQWGEV FKIVSNPDAS TQKIRTRGKP
ARQTLEIGDE LVFDIRKGGE VAYGVTPYD GRSGLKLNRI LEWGCRGRFA VL

> RXA02482 (1-810, translated) 270 residues
 VGVAKSKKSA LPKVLTLIVV ILLLLVLVAE FGLRFMIGKQ LKDEFQAQAS SQGISATEEP
 SISFGASPLL LGIARGSINE VTIDTPDSVS ITNQDGVPSI SGTPESTIQL QGLDIGDRDN
 PVADHLTLTT LATDDFILAT IQQQMAEATG GNSTSQGFAE QLIQELIKVT DITSDAANQT
 IEVEFTDGAA RASLHPIVTN GQLGFEIVDS QLFGFGLPDE ISQMLTDALQ SSINEVAGGL
 QIQSLEVVDG GINVTLTGDN INIQTLEAAQ

> RXA02483 (1-813, translated) 271 residues
 MADHAHNLRA SFRKGANGKQ KPIGVITRGT TGVNRLRRFD RWCFFHHPKIR SLLDATSLAL
 DVGYGASHTT TVEWGRWLHR LQPDMDVIGL EINPERVLEP QNGVSFELGG FELAGYTPQL
 VRAFNVLRLQY DVDQVEAAWE TVTSRLAPGG LFFEGTCDEI GKRCWTITLN SDGPQELTLA
 WDPWGISTPS DVAERLPKML IHRNIPGEKI HALLAAADLA WDYCAGWEPH GPRVRWEKAR
 EMLIDQGWPI AVSRRRVGDS LLTVPWETVA P

> RXA02484 (1-501, translated) 167 residues
 MATRTENTIT INQPVGKVHQ ALTTEAYWAY IAENLSPEAG EVNEFTAADG GATATLFEVL
 PLEVLPFAVR AMISQALKVK RVLTPALTN NATTVEYNAD VKGTPVDFKG TIAINGDDAA
 TTFDYSNEVS VNIPFMGPAI EPKVADALGE LFANEGALTE KWISENL

> RXA02486 (1-636, translated) 212 residues
 MTEFSDVPGT AAPLHRALEN AGYSTLESLE GVPYKTLIAL HGVGKTGLGR IQAALLERGL
 SLGEETKGAT ITPGHTGKVA SDIKTHITSV DPVAYVDGLE GRRVAHGHQL LSIFGRVTGA
 EPKMWGPSMI GYGSVHYVSH TGREGDWFQC GFSPAKSKIC LYGLKDSPRG EELLQKLKGY
 TEGRGCVYIN KPEDIDLVDL EAMISESWAG QG

> RXA02488 (1-369, translated) 123 residues
 KLTATGVDVM GTFYPEGEAL APITLNLNE VVCDEPETPV EPEVPVEPET PVDPETSVDV
 ETPVDPETSV DPEKPGDDNK DDGSNSSSNG DILGILGILA ALGGVGALVY NFLVASGFLA
 AFK

> RXA02489 (1-624, translated) 208 residues
 MNRFPSALLA ASVAGAALAI PATSAHAAES ICTFTGDVGW NVRDSFNLSYL LGNIANGSAY
 KYKGGLDVRD GVQTDGNGKT PALTPVDSV TSSKISTSGG AHWTGHNLYP GDDLAEPVNN
 FTLDLDFSNI TVELSGSTGR LLVDYTSREY INTHTLGEFQ TGEQAEALATI TFAKAPDLTS
 NSVNVTDGVA LTADGVEVFG GFYTAGEE

> RXA02495 (1-2568, translated) 856 residues
 MALTVLSSVL GTAFLCGSLL LTHSLERTFS SIYDAGVEGV DVGVIQQNN PDGVPFVSIA
 EIEQYPEVRA VNIIGDGPGM PSGTMTGQS ALILTDSDGN PLQAGSSGTH PLAIYPQGEW
 VSPEPTLIDG HFPTKPDEVV VNASAAKRGG LSLGDHLTIV TPTERIDATL SGTFSNTDV
 AGWVGVGFTP QRYVELLTNG TDASQITIAV NDGADPMAVR NRIGKNHRDL LPLLPEQIID
 QTTGDTDRQL EFMTYVLLAF AAIALIVGSF IANTFAMIV AORTGEFALL RSIGVSTFQI
 GFSVIMEAVF VGLIGGFIGI AVGFGVVNAL VQVLNQFGDT LSSIDITYNA GSFIFPVLF
 VTATVLSSIS PAHRAGNLPP VQAFESSDAR SDALGRIRFL VAAVMTLGI SLTIAGAVVS
 AINGDEFKTE TRLAFIGAGL LLVFFSLSL GPALMVATSQ TLGVAIMSPF RAVGKLAQRN
 TLRNPRRSAT TALAVTLSVG LVACVGVIGA TTRASVFGSM ESTIKSPYVL DSIGGTMIPG
 QPAGGSRSL SAAVAQEIA QTRGVGKVG TMTGVSQVNG WDNENTTIFD GDLSQFLDLA
 VRSGDAFDDE TPGVMISTTY ADQSDLEVGD TVTVNPGSD DGIRVPITGI YAETNLVGH
 MVNAAATNRV LTSADTYHRS QIFVNGDGST TNEELRDILV DAVAPFLIV VKSKDEFGRS
 LGTQINQLLG IYGLLLALAV IIAVLGIVNT LFLSISERTR EIGILRATGV QRGQIRMIT
 LESVILSIHG AIHGLLLGTF IGWAIVSCLR TRGMAPVEFP WTQIGLMLIS AIIIGGIAAL
 IPANRASRIS PLEAIN

> RXA02496 (1-807, translated) 269 residues
 VNRSNSSSVF LGFPESSPAA ASIRAGEELP LDFPREWYEF TDPTDIEHVF SIDLTWLESN
 WNCTFGTPDC LGIDSENADV GCCGHGAFLA DETDRDQLYD AVAQMPAKYW QLRPASTDSF
 LASDDGTIDIE PWLTWDELDD EDGNPEPALK TTVVNGACIF ANRAGWETGA GCALHQWGVN
 ANEDLTVVKP EVCWQLPLRR LEAWEERPDG QEILRTTITE YNRRGWGNGG EDFDWYCTTS
 PRCHTNAEPM WKTQETELRA LMGPNSYEV

> RXA02498 (1-804, translated) 268 residues
MSEELKTVAE LMARAAKEGR STDAPRRRRR RSIEDGGVSV AELTGSIPAV KEKPAESKHS
SVPIDAPAEF EVVEAPKPEP AEEVEVASVE GDVDKQETPE RPAPSNEETM VLRIVDEKDP
ISLTTGAFFV VPAVAAPAP VVRAEKDADV ETAVKADFAE VEVDNTDTTQ MAVVEEVDEE
PEQENKMSVF AIIMMAIVGV VLGVVVFLGF EMLWERLNKW IVAVLAVGVT LGMVGIIHAL
RTSRDGFMSV LAGIVGLVMT FGPLAIVM

> RXA02500 (1-99, translated) 33 residues
MGSVIKKRRK RMSKKKHKRM LRRTRVQRRK LGK

> RXA02505 (1-171, translated) 57 residues
VAGTHAYVNE TLSENEFSMC RKNEPGLVIE LENISIDRIV ISTPDAHRYA DELMAAV

> RXA02506 (1-882, translated) 294 residues
MHLNQLEFFI AVAQHGQINR AAEELLISQP ALSRQISALE KSVGAPLPER HSRGVSLTKA
GEILHEEARL TLRMQSVVD EIQSGEHLIT SINIGVPPGI PIDWLRCQLI DLGPETRISL
IESPTDDQLK LLKQRELDIA LCRRQSEAF TTVLHEQELG IVVRKNSLH QKVAGKDNAT
LFDLEGLRVL AHSRGEVRIQ EEILKNAMLA AGVNATWIFR KFGQYSSLIA DLVQADVALT
TEESARTNFP SWQWVPIEGE DASGNLTVR TWITWNPQT PAVKALIQKF IDGN

> RXA02510 (1-636, translated) 212 residues
MDSSDSHVQ DVYVDQGLGE PDRLERLWAP YRMSYINTRS GGKQSTTAKR DPFIEVPKMS
DEDGLIVARG ELVYCVLNLY PYNAGHMMVI PFRKEKNLED LSLAESAEML LFTQTAKAL
KQVSNPDVN VGLNLGKASG GSVGDHLHVH VVPRWSGDAN FMTVIDGVKV LPQTLRQTRA
MLAQAWGTID GAPGTVDPTL TSAIRTAAPK EH

> RXA02514 (1-837, translated) 279 residues
NSHNPTPVTI TVTGKGEVGT SFGAISIEVE AGADAIVALQ YVSGGTHADN VEFIVGDNAR
LTVITDTHWN ADAVHLSNQL AQLGRDATLR HTVATFGGEV VRIVPRVRF APGDAEMLG
VYFADDGQYF EQRLLVDHAV PNCRSNVLYK GALQGDKNSD KPDARTCWVG DVLIRSNAGH
TDTYEANRSL VLTEGARADA IPNLEIETGQ IVGAGHAATV GRFDDEHVFY LQARGIPAE
ARRLIVRGFF NEVINKVPVE SIRGELDNRV SSELAVLGM

> RXA02518 (1-411, translated) 137 residues
MSEHTENTTE VEDQNASTFE AQSSERPEQS EADLAKASDV EEYMRDVIDP ELGINVVDLG
LVYDIYIING NEAHIDMTLT SPACPLTDVI EDQARTAIVG NGIAEKMSLN WVMPPWGP
MITEEGRAQL QALGFAV

> RXA02519 (1-1806, translated) 602 residues
MFSAPLRRMM RVTKDEQIQP NSNAPENRW FPRAPRPLRQ FLDTLPRIGT AGSRSATLHV
EDEQSPLGAT LFDVATGASS INDRDTSASG LEPEKIRRF WRLIGTMGA LMIAFGALGA
GALPVVNNPY VDFPGGNFMS RMLQTSSMIV LIGVGFLVLA WVLMAPLVGI PFKRSGNRTA
SVLSMLRRT FGAWVAPIML TAPLFTQDIY SYLAQGSVTA QGMDAYAGGP LELLGPDNHL
ARSPVFIWAQ SPSPYGPVAL SIAASISVIT NDSIVGGVLA HRIASLLGVV AAGWAITMLA
RRCRVSEAS FYLGVLNPLL ILHLIGGIHN ESILLGFLV GLELGLRGTD RIQTGLWGPA
WTYIALSGVL ISCAGLVKVT GFIGLGFVGM ALARAFHARG HRHVVAIGVA GLVQVAALVI
TVVVLVITG ISLGWITGQG GAATIRSWMS MTTNIGVISG FIGMNLGLGD HTAAMLVTR
AAGIAVAAF MVRMLFATYR GHIHAVGGLG VATFVLVILF PVVHPWYMLW AIVPLASWAN
RLFFQLGVIA YSTAFSFFVL PRGLALPVG VFSIYFGAAL GFSILLVGV WSLRRNPFTG
LH

> RXA02520 (1-684, translated) 228 residues
VGDVVKGNDA HTGDGDTTRK ILLILLERAP VIASDIAEQ LSTVGVRRH LDNLVEENLA
EAANPRQNPY EPKMRGRPAK TYRLTDKGRS IFGHEYDSL AAALATLREV GGDDAVRQFA
RKRIETIVEG ITPADVTDQS IEDTAKSLVE AFSRHGYAAT VDATRNLQL CQHHCPISTV
ATEFPELCEA EHQAVERSELLG QHTQPLATIA DGHGICTTNI ALTPIKHS

> RXA02521 (1-1443, translated) 481 residues
MTSATTNPGV NEPLTDDQII ESIGPYNYGW HSDSDAGASA QRLSEDVVR DISAKKSEPE
WMLQQRKAL SIFDKKPVPT WGADLSGIDF DNIKYFVRST EKQAQSWEDL PEDIKNTYDK
LGIPEAEKQR LVAGVAAQYE SEVVYHQIRE DLEEKGVIFL DTDALKEHP EIFQEYFGTV

IPAGDNKFSA LNSAVWSGGS FIYVPGVHV DIPLQAYFRI NTENMQQFER TLIIVDEDAY
VHYVEGCTAP IYKSDSLHSA VVEIIVKKG RCYTTIQNW SNNVYNLVTK RTKVEEGGTM
EWVDGNIGSK VTMKYPVWM TGPHAKGEVL SVAFAEGQF QDTGAKMTHM APYTSSNIVS
KSVARGGGA AYRGLVQINA NAHHSTSNVE CDALLVDDIS RSDTYPYNDI RNDHVS LGHE
ATVSQVSEEQ LFYLMRGLA EEEAMAMIVR GFVEPIAKEL PMEYALELNR LIELQMEGSV
G

> RXA02524 (1-690, translated) 230 residues

MTETTPQPPK PEPELPKFLS NPERADIILF IALIVMGIFS LCMIPRAWM LTQPLAYTLI
VGGYTSVAVG GANASVENGI WWVYWLCTLI GALKFMPVYW LMGKRWGMEF IDMSLQYMPR
FHRMFKKSVD SESTRLYAWI IGLIPLAYLP GPVPGTILNA VAGLVKIPFW IIMAWNAICV
LSVNGLFMWL GYTFGEQVLD IVNVVNRMYL WITLGLLALM FFRARKQFAK

> RXA02525 (1-378, translated) 126 residues

MTTMREVSTD LNILIVPSEW EKVLENLPAT LSESGFVASE IHSQIVDLTC EPDNMLVTQF
SQLEGHPIV EVLHRLVING SSDLELKDIT KKVVGALPQG TYWYGTSLG ATEPGVNASC
AWQHRG

> RXA02534 (1-804, translated) 268 residues

MNSPNADIIL VVNKLSKFID IENIMLVGAR CRDIHQQKYR DQTAGRRTKD VDFALALESW
DDFNLLKQF SPTGNAWQGI TIGNIPVDLV PFGNIENPPG EVLSRKGHLL NVAGFKEVFE
QAELYPLNDA IDIKLSTVPG LTALKLHAWL DRKENNIKDA SDLALILSWY EEDVETLWNR
YFALENQGYI GEPEAMAAEL LGLDTGRILG HKETQALLDR FNEQSPPELN QFAESLEAPP
EHSHPLERRR IQVEALLGGL RDSLGYDE

> RXA02537 (1-462, translated) 154 residues

MLALKSSELE GIATSLTAVA GALHESNTDR LQSWQQLETM TSASSLIQGF IKLV DYNRPT
VNIVEQMHKT ASTLFNTADF LRTLEGYVDV LEKQADKSIT LTVMLRYIAS LSSLLDLMCA
REINALCTAI TPEPLKHLGD FGTLPQQST SFIW

> RXA02538 (1-672, translated) 224 residues

VNAPPEIRAL AEAHPDMQIL EAGDGS LVS FGDIDRATTV TTIVAGVGSS NPEGWNTYVD
RARTVSASTG SATVLWLGYQ APASIPAAVS GAAANRAAAD LQRFQAALQS RNPHQRKVVM
GYSYGSTVVG KAASSGELSA DALVLVGS PG AGVSHSSQLG APVYAVTGSA DFIGFAGTQY
DGIHGTDP TA ALFGATVWDS PSTHSGYWND QEFLGNVAEV VRGK

> RXA02540 (1-438, translated) 146 residues

MASTPKKSND EGQFDRVDFQ GEVFVISVAA ELAGMHAQTL RTYDRMGLVT PIRTRGGGRR
YSRADVELLR EIQLHSQEEG VNLAGIKAI ELGEENRNK ESLRKVTAEN EQLKQQLRS
RPRGELVHVP RSTAVVMWER RKGRSK

> RXA02544 (1-1428, translated) 476 residues

VSHTCGIVIF VSTESGNTPK RDDAKSTIPP KDLPTVLDA IEGNFEPPLN TQKSAVPPNA
EATVEADSEG TTDRSVILGR DGRWLSCWAL RFIVLVIAGV IALRMLGFIW VGILPVVLLAL
LVCTVLWPPV KWLREHKIPT ALAVVITILG FFALIGGVFA AIAPSVSSQT KQVVDQATVG
IEDLMDWVQG PPFNLDISQF EGALNDLTSM LQSQSSTIAS GVFSGLSTAS SIVVTLAVML
VLTFEFLKDG PRFLPWRMGF TGENAGWHLT EVLTRTWNTL AGFIRAQALV SMVDAIFIGI
GLLLLGV PMA LALAVITFFA GFIPVGA VS AGALAVIIAL VTNGVTNALL VLVLLAVVQ
IEGNILSPFL QSKAMNLHAA VVLLSVTVGS TMFGIIGAFL AVPVAATLAV WVRHSEMVA
LRAGEITSDD IEIATTKGSP TSLNGQETLA AIRSRFAILG RKKPTSATAE KADSES

> RXA02545 (1-558, translated) 186 residues

MTETLFVSAT TEEAVYLPDG IDLLVTGIGT TAATMILTKE LATREVLPAR IVNIGTAGAL
VDGLAGVYEI EYVLQHD FSS ELIAEMTGKP CSNGSTLATS GHFPVASLAT GNSFIADSET
RNHLATRASL CMEGAALVG VAKHFGVPIT LLKQVSDSAD EEASGSWFDA VDAGARQLAE
AVKEFK

> RXA02546 (1-1104, translated) 368 residues

MPLFIDDALH RSKKYFHAHL SELLGFEFAG LSLPLHPPTA AKAAADIDAT REFIRQWEGR
DDVEYAIRNW SPVGLGKTEV PVRLTLNTE ELVVFAQVED EWSSLHERFS QLSGFTA EVV
AKHVSLWRSL SNDDLSKAVL VVDWFLKHPN SGLLKRAVAV EGVHTKWLEN HRVLIETLVA

DKRGEPGRAD LGLGDAEARV RLRHSDVDAP AGLTDIEVPL SNLCELQEPQ VILMVENLDS
FLALPTWPGV TIAWGAGYRA VDIVRGPFYS NGRLLYWGDL DLDGFKILDG VRSHVPHTES
VLMNSETVSR WRYLGVADRE FKAESFDNLH DFESDALDLL ITDGELRIEQ ERIRLDVAVE
EIEKVIRG

> RXA02549 (1-1326, translated) 442 residues
TLTAISSETW PIMLAPWVCL PLLSRNVDAR AIALSLLPAA CMGAVNATAT MAALIPAALI
LLYRGLFLRL LLWGMGLVAV NSWWIGPLL LGKYAPPFTE FIESSSVTTS WLNPEILRG
TTSWTFPVDV ERQAGYLLVN DALFVTLVSVL VAALGLIGLT LMKHRGLWAF MLAIGLLILG
SAHLTAVQEF LDGPGAAALRN IHKFDLLVRM PLMVGVAALG SHISLPLLGT TALTSQGQKH
HTIPLPLQKR QAAGLLVVII AVGALAPAWS ARLLPQGTWD EVPDYWYEAT EFLNQATGT
RTLIWPSSPF ARQDWGWTRD EPAQPLLDVP WAVRDAIPLV PPEAIRGLDG LDDLGLTGTG
LNDEALKRLG IGAVLVRHDL EADPDIEVDL PGEKHTFGSQ GQVDVYLTDP DRNMWITSGT
SKQLPTVAGG GEILSLLDTI NG

> RXA02552 (1-795, translated) 265 residues
VGKHAETSE PKNNSPWRIG LLTFLISSVV VTLVGMVMLW PDSDDVVLAD NFSQTFAGNH
EQVDGTITLV DNSACNSPDT GRVFAESPTI SAEPATLECV RALVDITSGA NEGQKTQLIT
YAQPGDPEFS EGDKIRMVET PDTNGEIIYT FADYQRGPAL IHWGVVLIWA MGAFAAWRGV
RALVGLVVTL GIVGIFLLPG LASGHDAMWL ALVCGAAILL IVVPMVHGIN WKSAAALAGT
LVALLSAVL SWASIVTTEF ARTGR

> RXA02554 (1-624, translated) 208 residues
MSHTKPSIAI LGAGRVGSSL ARSAVAAGYE VKVAGSGAVD KIALTAEILM PGAVPSTADQ
AVKDADIVFL AVPLHKFRSV NPATLEGKIV IDTMNHVWPV NGELEEIDQD PRSTSEIIAE
FFAGSTMVKS FNHIGYHEIE QDAGTGRAIA YATDDVDAGA QVAQLIKSFG FVPLNIGALE
NGRILEPGQE AFGAHLNKDS RLELVNQR

> RXA02555 (1-603, translated) 201 residues
MGEQFPQDKN IRVSDTERSA ALAALGQFYA EGRLSLEETD DRCEAVADAK TRGDLNAIFY
DLPNQQIAVV DRSEQTYTAT EVAELHRKGA RPRAGILGLT TVLAITGTAA FASTTAFATV
LLALPIVFI MLYVMKIGPE SWHAPTQRL QRKRMIELRE KEKLRLMELK AQRKERTHAL
TNRALDAAET AFNTKPWKKN K

> RXA02564 (1-675, translated) 225 residues
MAEVGAEPAG SAQSKTKQFV VGTAADVITA IAAFFSIQSA SGGEDIRSNM TLIAPAAAGG
GWDTFQREQQ QSMRVNKIVN NIQVNVIPGA GGTIALGKLS TMTAPNTLMV GGTGHIAAQI
QFDTPAKIQD VTPIARVVEE FDIITVPADS PYNTLEELIE GWKADPAGVS WTGGGSFQDL
VMTEIALSAG IDPKQTTFIP SDGGGEAIQA LLNGTAKAST GGFAD

> RXA02568 (1-1359, translated) 453 residues
IPAAPSAPGS AIPTPGTAIP VPGSATPVPA PGVSAPGASV PSIPVPGSVT PPAPGISAPG
GALPTPGSAP PTPGGALPTP GEALPVP GAPGASGIPS PGLPTPGVPT PGASLPVPGA
PDAPGTPSIP AAPGIQAPGI PAAPGAPAQA AAHAKPVFQD AEKRPRTEA GNAKKELPLR
VRLAQPIRK QWAMTLGVLV LGAIVVAIA VVLAKWAFTT EWLQDFVEKY PGKYDNPEGA
PVGIPWLSW QHFFNMFFMV LIKTGIEIN RTRRPKGYWT PKKGGKKISL TLWIHLVLDL
LWIINGAVFI ILLFATGQWM RIVPTSVDVF PNALSAGLQY VSLDWPTENG WANYNSLQEL
TYFFTVFIAA PLSIVSGFRM SSWPKNNAT MNKLIPGFA RALHMPVMVY YIVFICIHVF
LVLATGALRN FNHMYAGQDV VNWVGFQWV ASL

> RXA02569 (1-750, translated) 250 residues
MSRSSKISVA FGGLLIAATW LYLVLVRPTD WESVGGSTEA LITLVGYVAG TIALLVGVLP
TLPARTIAII PVALVLNILL GQVTGSFVIP LYLDVGTVL VAALAGPSAG LATGALSSV
WALFNPLALP FAAGSALTGW LTGVVKKGA FKNIFATIIS GAVIGLITGA VAAPVAAFVY
GGTAGVGTGA VVSLFREMGN SLLASVTWQS FISDPLDKAI VMLIVFVVVK SLPKRTRAL
VPQRPEDVA

> RXA02570 (1-642, translated) 214 residues
MNPLTWIIGA FSMWIVVLGV NKLGLSIAVI IIAQVAMIR VRNVSVLAST ALLSVPALAS
MALIHMPYSS DGWLIALTLT ARFSALMSIF LLAATAITIP ELVKSLYRWP KLAYIVGSAL
QMIPQKGQTL ALVRDANALR GRSVKGPVRA VKYVGLPLIT HLLSAGAARA IPLEVAGLDR

PGPRTVLVEV VEGRVEKHCR WLLPLLAVGM AWWL

> RXA02573 (1-444, translated) 148 residues
MTNKTMLVAF DGSPESRRAL EYAAKLLQPR TVEILTAWEP LHRQAARSVS LITLGVPEPED
PAHSAALKTC QEGVELAQSL GLEARAHMVE SATAVWSAIV DAADELRPDV IVTGTRGISG
WKSLLWQSSTS DSVLHHADVP VFVVPPLD

> RXA02575 (1-1158, translated) 386 residues
VKNSGKNSAK NRTKGILIGV LVGLIAIFAG IYAVDVFLNK DNIPRGTTVG GVSISNLSAQ
EARTKLETEL ANDVVQPVT TAGEQSTTFD PVASGVGIDW DATIEGTGEQ SWNPITRFVA
LFKESESPIV STVDPAAFGP TLDRMVGELY RDPISGNLHI DAGTLVVNDT IDGQAVDRTI
LEQAVTENWL NPEGVKAEPY VVPAAISQDT IDKLAEGAGA KAVSSPFVVR GDDGIEGTIP
VERMGEVVSF PEENGITRVD INAEAAATAML AEGLKETEIE PTNAQISFSS GSRVVTPEVT
GHGINWEETL ADLPNNLTGD GPRTIDAIE DTPATFTATD AQNATFNEVM GEFTTGGSFA
ASGTNIRLTA QMVDGAVVSP GDTFSL

> RXA02576 (1-1422, translated) 474 residues
MTPTRRILLW AWTTVLLGSL LWPLAAPGEL LLRDMSVVDH PALSINALGF GDLP SRNAPQ
DGV LALLGFL PVSWIVRTML LVAGFAGAWG AMRLGPSKFL AVTVAIYNPF VVERLLQGHW
SLVMAVWLFP LVVALRRHPR WQVVAIWAAS LTPTGAVVAA VTGVASSKRK RFTTLC SFLS
WLPWLIPALL ATPTSGGALT FAIRSETYAG TLGTALGLGG IWNAGAVPAS RELGFAVAGI
LLFAILLAGF KNCPPWLALL AVVGFMGAIG PWLMPNLFTW TIAYVPGAAL FRDSQKLLML
AIPAYVCLAA GVKSPLSWVA TGLALLQIPD APREVS VIRP SSAHVESVEA LAEIADGRDI
LIIGQGPLVT REDGIPVVDV KTKALS VVES GELRVDGIIT DAPSQRWTEA TQAWAAGDIE
RLEELGVGVV VDGDTITETG APPQHGWKY LGVGLTVLWM ALPLGLLFRR KTKK

> RXA02577 (1-885, translated) 295 residues
MGAYDWVDII STCEFS GKVW AVFMKRSATV LIIAGVLFLLI FAFTVPPYVT QGARTIPKDL
DLTLVSESPQ GFVRTEHIVT APTEKVDEIA THVDQTVTDV QGKTVAEISD DVVLIGH SRY
PVIKPTATIS GSPADSSNV REGHYFFPA NTLRNSYPY DIVLGEDSPV DYVSREGNTY
TFYQHLRYVP LDDSHYTSVE RTLKVDRFSG IIVAKDEAMT FHGPDGDDTV EFTYTADTLK
LLQDHAHDID QRLSWAKGFD FFSKFLGLSL LAIGVFLTGI FKRQQLMSTV NKLRS

> RXA02584 (1-351, translated) 117 residues
MSLLCDSIAI GLFALFARVA HQSADMPLNV QGWFFTWLFP LAGVFIAYLV AILPAKLPSE
RIRPAGLTWV ILAVIVGLVI WGFNNGGVPH WFSMIVATTA SAILVLGWRA LFKVTMR

> RXA02585 (1-981, translated) 327 residues
MGIQQIRHVS PVGVALTMVA LVLSFVAMAR VMQIMLKAGG SPATLKATTA LTFAANSWSA
TLPGGPAFSA ILTYKVQRSW GASAVLCSWF FLLSSALSTV WLVALGVIAV FYMGASLNLW
SLIATFIAMV GLSGAVYWAA NNPDSLARWV RKLTKNREWG FVEKLLGSIE QLRVSLSLTP
QFAASTAWSL GNRLFDAISL WICIWAVTGT APMFEPEPNN TTIAGVLLAY TTKIAGSIQ
ATPGGIGPIE AAYIAALVAT GMTAVEAAGA VIIYRLCSFI IMAIVGWVIY FIYFTPQGLK
ANESLDVEQD TINS DSNRQS AIERPDT

> RXA02588 (1-684, translated) 228 residues
MSDVHEVIHS YNPTDKEGPE SVLLVWDAPN LDMGLGAILG GRPTAAYRPR FDAIGRWLLA
RAGRRRAHEL RHIEPEATVF ANITPGGSDV VRPWVEALRN VGFAVFAKPK IGEDSDVDPD
MIDHIRRRYE EGVLRGVIVA SADQGNFRET LEELVAEGIP ATVIGFHEHA SWAVAHDTIE
FVDLEEIPGV FREPLRVSL DNLPDGGAWL QPFRPLTALL SNRHNSQE

> RXA02591 (1-1830, translated) 610 residues
MTTAAIRGLQ GEAPTKNKEL LNWIADAVEL FQPEAVVFVD GSQAEWDRMA EDLVEAGTLI
KLNEEKRPNS YLARSNP SDV ARVESRTFIC SEKEEDAGPT NNPAPPQAMK DEMSKHYAGS
MKGRITMYVVP FCMGPISDPD PKLGVQLTDS EYVVM SMRIM TRMGIEALDK IGANGSFVRC
LHVGAPLEP QGEDVAWPCN DTKYITQFPE TKEIWSYSGS YGGNAILAKK CYALRIASVM
AREEGWMAEH MLILKLINPE GKAYHIAAAF PSACGKTNLA MITPTIPGWT AQVVGDDIAW
LKLREDGLYA VNPENGFFGV APGTNYASNP IAMKTMPEGN TLFTNVALTD DGDIIWEGMD
GDAPAHLLDW MGNWDWTPESD ENAAHPNSRY CVAIDQSPAA APEFNDWEGV KIDAILFGGR
RADTVPLVTQ TYDWEHGTMV GALLASGQTA ASAEAKVGTL RHDPMAMLPF IGYNAGEYLQ
NWIDMGNGKG DKMPSIFLVN WFRRGEDGRF LWPFGGDNSR VLKWWIDRIE GHVGADETVV

GHTAKAEDLD LDGLDTPIED VKEALTAPAE QWANDVEDNA EYLTLGLPRV PAEVHSQFDA
LKARISAAHA

> RXA02593 (1-213, translated) 71 residues
LKIAHFDLDN PADESSYIFA RSLAEVDGWT LEFGVAGVKN TTVSSIDDA ITTILRWMNG
EDIRDLNWTR A

> RXA02594 (1-324, translated) 108 residues
MEAMATTITV FSPTHSPAQI RETILSAAKE DDVDFLGVPF THPRNVTIEV DDELINDCLG
WLDDVALASG LGIQYNDEV LRYGDEDISFT VQTKNDDAR IGASRLGL

> RXA02598 (1-591, translated) 197 residues
VTTDQNKRS L SELAARIVSE ICAPWVLNIG FFLILGGVTG AWTLGIVAAI GTGIVPMILI
LGLMKLGRVG NHHVTTNRQR GLVFGIIVC VIILIFILRA LEAPQLIWDG MFSALIFLVL
FAQVTLKIKI SVHVGLWVCL VMFLGLTVSS WWLLGLLFTP VTAWARMRIK HHTMSEIVAG
VVTGAVATGI CYALLA

> RXA02600 (1-1398, translated) 466 residues
MQPFPLSLTN SSVAGIAAGA LLFLSVFPAS PVHAQTILQD TLEVTVLDNA DELAPEDEDF
LSTETPKIDF PDSVTAVRYI TLTNDNTDKIN DDVENYLRAE HPEWIQTNSF APGEVIIAVG
FDPNTMGAYA GNDVAAETGI AEQDRIDGTT DAMRPLLQDG RIALGMLEGA KSVADTSVVR
ESSAPSGGVI AAILGGIAAL VAIIVAWATS YANKKKAEKA REQFDYASRH YGEVAQQLDG
INVRAHSLTS PLADDELRRQ WDDVNSRFL E VNDIFGRLEG LTSTSENKAF RKALPDIEKA
HTAVTQMEIA QKNIDTLYDM EHGHEDETRRR ELTRLRADMQ EARQDINDKD AVVDDILRTL
IORTETIAPS APDFMDQYAR LIRDYAVALQ GVEKNLEQVK QTTERNAPAI YDDNWRVGTG
YNSWVPYMI SSWHAADVSA ASSASSSSAN TTFSSGFSGA GGGSSW

> RXA02601 (1-1989, translated) 663 residues
MKGEDTMSA TNLAVEQLQR VLLPRRGEPD DVRSLYLLEA ESNKERLEWE DRFSVSVVAG
AEVSFQTYFN AFPASYWRRW SQLDSVVLKL KVSGEARVDL YRSKIDGARI GITGSVVKDD
FIEFEVSLAP FEDGGWIWFD LTAETDATVE EAGWYAPHAP KAQIMPDGSE VGPFEARATV
GIPTFNRPAD AVAALEALAS DPAVDAVIDT VIMPDQGNKH PADEPGYKAA VEHFGDRFFE
FRQGNLGGSG GYSRIMFEAL GGVGDGKEAG AAKSPYILYM DDDIAIEPDS VLRALQVARY
AKSPILVGGQ MLNLQERSHL HTMGEVVGGH DEFMTAAPHV HYDHDFAHP LHDRGKFDDK
PDAPNSRD LH RRIDVDVFNW WCMIPRVVA EQIGQPLPLF IKWDDAEYGL RARKAGFPTA
TWPGIAIWHM AWSKDIDAID WQAYFHLNR LVVAAMYHQQ SVDGIVRSMQ KATFKHLLCL
EYSTVAIQNE AMKDFLAGPD QLFSLDTSL PRIAAIRKTY PDAVVLPSAT ELPRATGAPG
VPTKDIGGRL APIKKAMWLA KGLKHSLSKE DASHHEVPQA NFAPIEARWF SLRVDGATV
TTADGRGVVY RKRDRDKAKE LGKEARALQK QVAERFDELS RAYRNAHP EL VSREAWGKVF
DEQ

> RXA02602 (1-504, translated) 168 residues
MSNKEVQILV AIQDQLMDAP GVLPTARGLS LLGEHAAGWL ALGAGGAVVD KRRRRSWAGL
FIAALGSHAA SVIIKRVRR ARPHDPAIRI GVGTPSKLSF PSSHATSTTA TMVYLARITK
SPVPLLGIP I MVL SRMVLGV HYPTDVLGA LLGAATAEAV HKIERATK

> RXA02604 (1-2076, translated) 692 residues
VLACGLMTFS PORPEFETGK QDPPEHEHAG DFFEETSSSA PRAASNGSSG PNYTLITTF L
AALTAGIFAF WAGWTRKWI DDGLIVLRTV RNLLAGNGPV FNAGERVEAN TSTLWQYCIY
LVALVTDYRL EDIALWLALL FTTAASIIGV LGTAHLHRKR IAVLLPAGVI GYFSLSPARD
FATSGLEWGL SLMWISIQWL LLVLWATSGK TSGKKASGAK TSNPIVNAGA ITYALAFWSG
LSWLVRPELA MYGGLTGVL LLLTAPRWRV LGILVAALPL PAAYQIFRMG YYGLMVPHTA
VAKSASDAVW GTGWEYVEDF TGPYNLWLGL ALLLAAGALT VWKTDKHLAI PKGRGLRTP
GMAIALLVIC ALVHFLYVIR VGGDFMHGRM LLLPLFAILL PVSVIPVNVV DRGWQDLVAL
VLVFTSWVWS TVVFVQGHQW ENTGQHVVD E RDFWIDFTNR DEDHPPLYAE DFLTVD SMND
YAEVMDQTL VNPTGQQNL LASSDPTTYS WITTPRVEGV EAGDLANLSP TVFHVNLGMT
SMNAPLNV RV TDLIGLATPL AARQPRIEGG RIGHDKLMDL EWQVAESATP LAYTPGWLD T
QKTYEARQAL RHP ELVHLFQ TYREPM SYHR FVDNIKYALT TGRTLEISDN PEDLLKEFNP
TPAEIQDGLE TIAWPGEIKL DEPRGEPLYS SQ

> RXA02606 (1-1371, translated) 457 residues

MQEIHITIMKH MDALIADPSA AAFKATLPFA ELLEKLHNKK ALFDAALAKS AERADAGRII
GKTSHIDALA YLLDISKSEA FRRTKRAEEH YGNPSPEPSS EELAKETPEE KLAREEKEKQ
DLAEQAEANR IAREHGISAE KQDTIRYELE KLNNTSLSR ASLRKAMQE ATSRTPEDLR
NWTRNKVIRI NPTAKDPLAA VKKRSLSIGR QDHDGGAKAS LYLDAGKLAL LKSLMSKAKP
GHLLDSLAE DKRTKPQRQY DAFADILHRA HSDLLPARSG VGTILVLSA KDVNTLKASG
PDHRYPTSTG IKLTPLEILR LGAAYDFVT VLDSESGRPL HLARTORTAS LYQRLALFAS
ELVCTREGCD SPFEDNEIHH IRSWLDGGPT DIENITNICP HDHGNNNDQR DGKDNMGHMN
IDPTTGRVGY QPADRRKPMR FNNTAAAAES GGAQART

> RXA02609 (1-249, translated) 83 residues
VERSAEAQAF LDALKDEKID ISGVEDQLIA TARNYCSEN KDQNVTVDAV AGQLIVQGR
SVKEDQAAEI STLLKESADR TYC

> RXA02610 (1-927, translated) 309 residues
MRKTITVIAV LIVLALIGVG IVQYVNTSDD SDFIGQPGE TGTETTEPPV QPDWCPAVEV
IAAPGTWESA ANDDPINPTA NPLSFMLSIT QPLQERYAD DVKVTWLPYT AQFRNINSQN
EMSYDDSRNE GTAKMNEELI NTHNECPATE FIIIVGFSQGA VIAGDVAAQI GSEQGVIPAD
SVRGVALIAD GRREPGVGQF PGTFVDGIGA EVTLQPLNLL VQPIVPGATM RGGRAGGFGV
LNDRVQDICA PNDAICDAPV NVGNALDRAL AMVSANGVHA LYATNPVDFP GTTTNAWVVD
WATNLIDNG

> RXA02617 (1-507, translated) 169 residues
MSIKHALLVL MLDEPTSASQ LQTKFEETMG IWQLNIGQVT QTIQRLQRDQ LAETAGTTVS
SNGRTVDFTQ PTDLGRELVA QWFESPVTVT LSEDELVTI IAIASRGLN LIPLLDIQRN
TVMAELRALN KSSRDLAETR NTQRLLEVKR IFELEAQRW LDRIEALQ

> RXA02619 (1-900, translated) 300 residues
MRSVVLELLE NWKESLVLHP SLTELADAAP LAQDFATVRG VLKESLDLLG NALNHGEEPA
ELAGWLSQVI TDVLHSPGLD AHVVLGTGPVG RGDALPTSPV RWLAVVDSQE DPNEKISALL
TEVGFIAPPI GAATREEWEQ RARAGEDPEV YLDAGTWVAA IAEVDDKALL QDALSSRPFA
VETYEGLPSL DMVVNIRENL MIPTVKIARW AAHKAGSLAP TTAQRLVDAR GVLTNDEVDA
LTQVWTSALS LQSKRWMDHI HDQETTAWEL PALQRATFGA SARLLSEVL R SVEAREIDTK

> RXA02620 (1-654, translated) 218 residues
VGRPRRSAPR RAGKNPREEI LDASAELFTR QGFATTSTHQ IADAVGIRQA SLYYHFPSKT
EIFLTLKST VEPSTVLAED LSTLDAGPEM RLWAIIVASEV RLLSTKWNV GRLYQLPIVG
SEEFAYEHSQ REALTNVFRD LATEIVGDDP RAELPFHITM SVIEMRRNDG KIPSPLSADS
LPETAIMLAD ASLAVLGAPL PADRVEKTL LIKQADAK

> RXA02624 (1-714, translated) 238 residues
QGYDDASVV ALIVLSILYL PNMIFAMGN LIGSPYFGD ASISVFSVHS VPLPLPILA
ALPSEALSWA VALLVIPAI ATWVCVRNPM RLAVNTTAAV ISALCFLVLA VFAGGTGLGV
NYVGLNLLAS VGLVFVYFAL VGLLIAGIDK LRNPVEVKS KAVAVVEPEP EEEVEDEEH
VEEEVDEEEE EVEEGVEEVE EDDAEDPEEN PEEESDEEI ETETEAEETN DGSEAE DR

> RXA02639 (1-834, translated) 278 residues
MIALGSAPKL VASDVGTLI NSSERVQRL RDVITRMTNQ GVTALALSTGR PPRWIHYVLD
QLSVKPIVCV ANGAVLYDSA ADEILAAQTL SPEVMASAVM AARAALKEHG GVSIAVERAG
KSAYDPADEL FLVTPEYSHA WPSNDHGTFE EAEVLSEPAT KLLMRSDYLD SKQLFDIVRA
SVPEDQVHVT FMSGGGLIEI AAPGVTKALG VSMLAERLKI AQKDVITFGD MPNDIEMLQW
AGRGVAMGNA RPEVKAVSDH ITRTND DAGV ADVLEWWF

> RXA02647 (1-462, translated) 154 residues
VALSVFTPVA QAQSSDALTO LSDNITSSQI LDDGPNVDG NETWPGSSEG SSMLSNGDIP
AAPSLSSSGK DTSDDDEIS EEQQALIDRL SEMPVIGSIV SPPEWLAIPF AVLQGLLAIT
TLASTAASFMTVDPSPFKQT LRDMLTQFGI NVDA

> RXA02649 (1-1002, translated) 334 residues
VLKRFSHSS PQVLSRKVVA SALALTTALA LAACSSSAEP DSPEVEQAVG LAVDTPRVVV
VDPGTGDLQR LQYKDIAPDA TQEQTINIAE GFAQSVVNAD SVDPQAPAGG DVTTFHLPVK
ATTEEAFFSD QEMVSATRDI SLLFGKPTYT DLSQVEDVNS TEGFTLGIRA TDSGQHTTLS

FAAPVDSTET GRMLMEQYLL TFTSLPIVFP SDDIGVGAKW TVDSRVGTGES TLLQTVTYTI
TGIDGDKVNL DVEVSQRPSM GALEITDEES DETTGQLTVL NSNTTSVGT L EVDLTQPLPT
SGQVSWTTRV IYGG SNEQVR VVQDSTSSVS FGDQ

> RXA02652 (1-579, translated) 193 residues
MDGVDKGRR I VALLAILALV VVVAILSFS D RTAKPMQLNG DMLGQDNTET SVEYRQRASE
SLENAAVGEE AYSLVTFTQP LSPSEASNLL KGVGRV NAMV MLSAPAMDLP EPIAGETRED
VFNRQIKLVD AQLSGIGNVR-APGELNGVVV-WDIPQKVRVL-SESSLVYSVE TLPPDAAWGS
FGIRPVDTS G TNF

> RXA02655 (1-984, translated) 328 residues
MSPEAKEAQD SRRNEMPEKK RAVLRKA IKL EWATIAWVLF SIVLVGVVAG QSQAMRSAWI
EDMLSLVPPI AFL LASRISK AVATRKH PYG KHR SIAIGHQ AAALALLIMG SLLIYEAVSA
LIKGERPPIG LAILFGHDVW SGWLMIGVMI SVSIPMVIVG RVKINLAKDL HDKLLYADAD
MAKADWGTAV ASTVGV LGIG LGFWWADAVA ALVISASILR DGVINMKAAI SDLG DGRAMT
YDNSAPHPLN DDVEKAALEM HWVKHARARI RDQGRCFHTE LFVEPVEGYT PAPEEITSLV
KRIQNLDWKL QDVVASVVEK IDR FQAPS

> RXA02662 (1-264, translated) 88 residues
MRRKLTTTLE NKPGARLGGF RALAPTSKIA LVFLLLIFLL AIFAPLIKY DPLASGTPVQ
PPSGEHWFGT DAIGRDIFSR VATAPEPP

> RXA02665 (1-480, translated) 160 residues
VTNPIIPRVG IATDAHQIEA GKPCW IACLL FEGVDGCEGH SDGDVVAHAI VDALLSASGL
GDLGSFVGVG RPEYDGVSGT QLLKEVRELL SAHGYVIGNV AAQLVGQTPK FGPRREEAQQ
VISEIIGAPC SLSATTTDHM GFTGRSEGRA SVATAVVWKA

> RXA02670 (1-582, translated) 194 residues
MEDES VKSLN LAARRGALVT VAAASALALA SCSAGQITQT SSQVAAVDGN QAGSANDPVL
VRDVTVHLTT DGEAGV KFTA INQDTSHTSH TLESVTVDGE EVELDDAEPI ERNCSLVADI
QSELDLIEEP EVGCIQH VAT SLENPGFAYG GVVPVEFVFD TGAITIDATV SAPVLESGVE
NREVGGDTAE ASHH

> RXA02672 (1-1098, translated) 366 residues
MTPTTTPVSN PDALSTGTQD VHTLKGTLQR LAPGTPLRDG LDRIVRGHTG ALIVIGDDEN
VSSICDGGFE FDSVFAATRL RELCKMDGAV ILSSDLERIK RANVQLLPSP TWPTQESGTR
HRS AERTALH TGV PVI AVSE SQNTITLYVE GKSHMLEQPA ALLN RANQAL GTMERYDRDL
DQVNNRLHLA ELHSYVTVID VVS VIQREEM LRRVGEIIDG DVLELGKDAK EIQIQLSEL R
GDNDRERESI IADYLVTDGI PADEEIHAAL EAISHLDDKA LLNPANIARV LGLPPTEEAL
DEPVT PRGYR TLNRI PRVQK FLM DKLIVEF GNLDALLNAS VEDLSAVDGV GSLWARHITD
GLGRLS

> RXA02673 (1-633, translated) 211 residues
MAALLVLLV IALIIWAVVA LRGG SSEP EE EQPNNAVVT SMESSATSSS SSKESTTEAT
TEEETSSAEP TATSSVAADA KKTCELS DLV ISASTNQPTF SGSAQPELFM AVHNPTAVDC
EIDLEENKLR FEVYNLATNA RIWSDVDCNP AVEDGTSVFP AGEDRYFQAT WSRTTSAPNQ
CNNRTDVPAG GYYLHTVVGN NPSPAVTFNL T

> RXA02678 (1-918, translated) 306 residues
MRMAKKT KKN EQLPEGMSRR QAKLAARAE RAALEREPRP FEGLAMESQL VALQEFIPSA
TAPITVAGTD RKITLCTVLP GAAAALVREE AFGGEAFVAM QQAIRSNNPS KD LAFALNWV
INAKAGESLA TATADGTQPE LKSLNDADT LEITTHQDFN WWLAENDNLS PEVAQHMQAA
NDSILPSHEV EADVPGAVWW VNPGGKAHIR WVR TENETAL FNALARIAAR GELNLGEETK
FAGAFRTHGI VVPVWDL DPE RPSTDYADVL VALNEKIVAE LDNDAQLNAD ERRQLENIKS
RQVTIR

> RXA02679 (1-426, translated) 142 residues
VAPSSGDDTV DVGTCRTLLV SELNVDLWAT DLEVDAVAGG GVV LGGAGPV DVGVIQGFAD
GIEFSFGGFL IGEANPVCDD IDEQFFLLIG EVRAFQAGAG WVVARAARCA HHGIQLFTLV
ELCLLLFGEA VVEGEGGFVH VA

> RXA02680 (1-1284, translated) 428 residues
 MRLNKRPLPAA LSGLLLSAAL LAGCSTSGTA ETTTTTVSSA AASTTTSTSS ASSSSSSSSSS
 SSSSDSSTTA ETISNTAEAA QAFLSTLSTE EQDAVLYDYD AEEKSTGWSN FPVTEVQRSG
 VNLTDLTEEQ QAAALNVLKN LLNDDAYQMI EDIMASDQYL NDESNTTEDS LGQYYIAFFG
 DPSSSDWSI QFGGHHIGIN TTFSDGAITF APHTLGTQPS EWTNEDGETV AALSNMYETA
 FAFYDSLAEQ QQAQLYQGEE LDSMVCAPGS TCDYPTGTGL KGSDLTDEQK ELLIDVIANW
 VGLADEETTE TELDAIRETL DDTYINWSGA TEYDTSTGDG IYFQISGPKV YIEFANQOGS
 AGADIDGVIT AGWGHHTIY RDPTNDYANS VTQEAASGMM GGGPGGNGGE MPSGDMPTGE
 MPSSGAPSN

> RXA02681 (1-444, translated) 148 residues
 VGWGEDGTG GEGGVDADV SAELDGPVG AAWIAEECDV VLAEGILGGV AFVVEVLIA
 HDVFDHLVG VVEQVLQHVE GSCLLFLSEV GEVHAGTLHE GDWEVRPAGG LFFGVVVVEY
 GVLFFGGQGG QESLGSFRGV GDGFGGGA

> RXA02683 (1-678, translated) 226 residues
 MTLENSSGD PGSDSGGARY SLNSLKVSEQ AAANAVLKAV LNDVSYQEFA DSSYLEITGT
 PSADGTWGIS FGGPSESASV EFSGSGISFS PVDMTVPATR LPQMGAFFYET LTEEQLGMLE
 TGLAVSTVDS SQQEMLLDLV SNSIGLADTE TTATAISKIR ATLSETYLFQ TPDGLTLALS
 GPHVDFEVSH QGSTAKITYR DPSTDTLTAE DRVDTASVAA APPEVV

> RXA02685 (1-657, translated) 219 residues
 MSGRLSILRL IDDLLAPVAL NDQQVALNAS MANSAWDLT LQLCSAGVLF SWGALAIYLL
 GERFQWIKPK DWAAGAGLAA LIGIPGLIFY ASAVHLGLSK QVVPTTLETW WEIPVLLIWS
 AANAFGEEIV VMMWFFTRLR QLKWSVPAVI VTSSVLRGSY HLYQGISAGL GNIIMGVAFA
 YFYHRTGKIW PLVIAHFLID AVAFVGYSAI GGNLSWLGL

> RXA02688 (1-669, translated) 223 residues
 MAGRIILLRH GQTHNNVKHL LDTRPPGAEL TDLGRKQALE VGHELATYSG ERLAHVYSSI
 VLRAQQTAVL ATSTFEKARD MQSGAIPLDV VEGIQEINVG DFEMRGDEEA HMNYSRALNG
 WLHGDPAAGL PGGETYKDV NRYQPTLDRI MDSHDLDDDR DVAVVSHGAV IRIVATHATG
 VDPNFAFNTY LGNCRFVVLE PNGKKFSQWD VVRWTDSPPL WQE

> RXA02689 (1-342, translated) 114 residues
 MIEVSDERFE ELVELAFDQV PQQFLDHMRN VVLLIEDFNP DSPYILGLYH GVALTERTFN
 HGGPLDSITI YKGALQNYCN SEEQLVEQVR VTVLHEIGHY FGLGEEDLHR LGYA

> RXA02690 (1-1098, translated) 366 residues
 MSTNFDSTST PEGETKKNSS FRTAASVQTM LVAALAATAA VGVYSYNTDN SANGGESPTG
 PEQSTVSTTA TIASFTTADV GQCATWDVNN EGLVSGFEQT SCDQEHREFEI SARENLATYP
 SSEFGPDAA PNLTRQAQLR EELCQSPTLA YLNNRFDPSG RYTIAPILPP AEAWAAGDRT
 MLCGLQATDA SGTPQLTVGP IAANDQARVF ETGACVKVES SAEFRQVDCT EDHHELSILT
 VNLGVFPFQG APSTDEQNNF LGNTCTQASI DYLGSEENVY QSTLQTFWPT ITSNSWLGGG
 HSVNCFMLSP STEGAATFNT LNSGATGTFT INGEVPPPQP ERDPLRDTAG TTASAEVGV
 VEENAP

> RXA02693 (1-1647, translated) 549 residues
 MVSLPRLASL LTTRLATLKP ALKPATHLAS LGAQVIAELV PGIRMSPNRR RILPANMGAG
 FIGAEIAMWW ALSPSLPKP WWVTAANLAV LQAVGHAAAT GIHSILPRTN RRVSRKIYNA
 THIATGAILT TTTVVGLIRH RTQIRLIGQK NFGPKETIAG ISVGTLYGYA LLITGELTQH
 SINEVKLLIE RFLPPWISFI AAVSVITLTT LTLADRVLLR RILHNSAIQA AHLNRMVFP
 TEQPWEPERS GSPWSYEWK AVGSQGRAVL SGGPRKDDII TVTRLSDETET HEPHIFIGM
 VPGRSLSDQV DLVIHEMRRT GALRRDHIVI NNSTGTGWIT DWSAHTFEFL TGGNCVTISM
 QSYLPSALS WYKDNNGPIN AARMLIDAVL HELDQLPTGS RPKLFLAGES LGAYGLAEVW
 GDVEKLLGTA DGVLLSGAPR FSDAMNALRT RRDASSERL PVIDSGRHIR FAGEPEHLD
 PATWQFPRMI VAQHASDPIV WNAELFIRR PEWLKTPKQD HQDVFNRLRW MPFVAGWQVA
 LDFTSTSV

> RXA02696 (1-456, translated) 152 residues
 MSMLKKTKEF FGLAPYEAH EDAYYADEPR YEGTAAYAPE YRERDYGYP EAPAPVAPSP
 APRSYQSTIV PVELHSFEDA QVIGGAFRDG DAVVFDMSLL SREEARRIVD FAAGLCFALR

GKMQKIDSVT FAVVPELSNI STSELERAA IR

> RXA02697 (1-699, translated) 233 residues

PFVWVIGMHF FAGFLATKKG KDSPTLKQQV PAFFATGAAG VAVTGVVVSA ITWASGASWG
 WISEISGNSK VINPLAFPSL VASVITMVAE VFVDDFDYNA VVNVVRSISM LIMLGGGLVVC
 WWLFRQNERR AVTGTAAAYA VAFVFNSTVL PWYYASLISL LGTFKPPMWL IRFAAGASVF
 IALMFTGSGN HQLYNIVTVI IAAIIAWLAT VVIFDDTDPD TTATEKPSPH TVS

> RXA02700 (1-1236, translated) 412 residues

VVPSLQQWRK PALILAILTV LGVLLTHWFA WPLTWPLGLR LPVDVEVYWQ GAREFWLADD
 LYDIRYDTTF DNLPTFTYPPF GALVFTPLWW IHDLFGLLVV ERVFALITLL TTYAVAVFLL
 RLAGVRDRVW EFVAFALLV SAPVYFTLNI GQINVMLMAL TLFDFVALPRS TRHSGVLKYV
 PLGVLTGIAA AIKLTPLVFG LYFLILWVVT KSPRGLFGMI GGFLGASGLA IIFRPSISIQ
 YFTDVLFTAE RIGDLHFARN VSIRAVLERL PELGSAASIM WLVAVALVII AVAVAAAYRIL
 RTDLSAHNRL LAVSLVSLVA LLCSPVSWYH HWVWLGLPLV ALWLTQHRWL ALWGAFAVTF
 GSFHNFLPSE NNMELTWPWW MHVLAHYLI FSAVVTAVFS CGKMPQKTEL SH

> RXA02701 (1-1308, translated) 436 residues

LTNPQTAHAA ASDSASQKEA PNPSLSITVG IKDLLGLLSV LGIAAGLIAN KILIERYNWR
 IDAAVYREGA LALVNGESLY AQPFDMGDIS LPFIYPPIGA ILFAPWGYFD FITVELAGNL
 VVIGSSLLLL LCLYLVTNAV LSGRDKLLAF TIAAISWPIA LFAEPVFLNA DLGQINILIM
 ALVMDLLPI KRRIPRGVLI GLAAAIKITP LAMLLYFLVK KDFRGIINAV ISLLAFTAIG
 AVLAWENTKE FFSSTLLNLS AEGDSGVDTT FQSNSSIQAM LYRWWTSKAD AEASSLPTIL
 WIVLSLIAVA AVAYLMHQLF SRGLHVEAVM VNAMLMLLIS PISWSHHWVW LPLWAVVFFV
 RYRQHRSHPK FLLWSGVILS VMLMLPPKW WFGRDGVNVF ELNFWKLLI SDWTWLSIGL
 MITLGLGLKA FPKISK

> RXA02712 (1-795, translated) 265 residues

MTMTNGSRTE SGKIRDRVA DADPRYGRV SVSRDFSTAE ASGRGASIST QPRRDMAPER
 RHTTRALVNP GVQPTRKRLM QHKLGSQQVM SVRGRVEAK RADPKVIQLS VLVVILLCVG
 VGATMGLSGT STQQTFLQLE LQATETDLN RIESLNRDVE DARSAATLAA NATEMGLVSP
 VEPGLAVQE NGDVVEEERA NPETRPVDI NGQQTRPNRA SSNPDETNV TENLQAIPQE
 AAAPPYQTNT VPYAATTGQA GGAGQ

> RXA02714 (1-429, translated) 143 residues

MFLGTYTPKL DDKGRLTLPK KREDLAGGL MVTKGQDHS AVYPKEEFAA RARKAAVSR
 TNPEARAFIR NLAASADEQR PDGQGRITLS AAHRTYAGLT KECVVIGSVD FLEIWDAQAW
 AAYQEETEA FSAEEDDVLG GLL

> RXA02715 (1-390, translated) 130 residues

VSLSEQEQA LREIEQALMA DDPKFGKAVA SNNLAGGGF TLRGIALFVL GLVLLVAGVA
 LSQQTLLFWA LGIIGFLVMF GSGVWMLRGG GSNKISVTS TSNAKNRQQG NSTIGDKMEE
 NFRRRFEGNK

> RXA02719 (1-648, translated) 216 residues

MTLFQRLTNP VVLGGLAGVL LLLGSFGGGA IRYRGGVLDA LGLNFLAFGH AOGISNTVLW
 VGQLLLIGAW VHLGRRLFKK KVADDTADAA DLGLVKRTLY AMVVPLIFAA PMMSRDVYSY
 LMQGAMLRDG FDPYTEGA AV NPGPMLLEVS HDWRNTTTPY GPLHLWIGDM ITTVVGDVNT
 LGVVAYKILS IIGLAVTGWS IVRIAQHFQA NPAIAL

> RXA02720 (1-627, translated) 209 residues

LERREELQVR LQQVQARIDA TLNEHNRPEG SVRLLPVTKF HPVEDIKILQ EFGVTAVGEN
 REQEARAKAL ELPDMDFHMI GQIQSKKANS IARWAAVHS VDSEKIAEAL GRGVALALDR
 GDRTSDELPC FIQLSLDGDP SRGGTPLSQV TQLADCISDT THLRFEGLMC VPPLGWGPEK
 AFSQARDVLS GLEEHFDRSL EFSAGMSGD

> RXA02721 (1-738, translated) 246 residues

MDSLDPNRNP VRKVFTTRAG GVSQSPYASF NLGDHVGDDP QAVASNRNRL ADIIGLSPDK
 VVYMEQIHNS TVTVIDEAPA DGQAVEATDA LVTTQRLAL AVLVADCVPV LLSDTDAGVI
 AAVHAGRMGA RINGIVAKTIA KMEELGAKPS RIHALMGAAA SGANYEVPEA MARDVEAKLP
 GSIARTTKGT TGLDIRAGLL RQMLSLGVQM IDSDPRCTIE DEDLFSYRRE GTTGRQAGVV

WLPKEA

> RXA02725 (1-612, translated) 204 residues
MDNFEHSNAS IRLQAALAAG TAEDTTAIDI LLYRSGVEED FFVRDMITWA LTRMPVDDVF
TSLVADLDSE VPDRPFGASQ ALHTLSKLRV AQSWQELQAR PWLLHREDTA QTAWRTFVGL
VPDDQTAWLA HQLLQELDKG TPEIQRSLSR AMAELEGREA SISVLLGALT SAHAVATAKL
IADPDSDFMA DLEEARVDN MGAC

> RXA02727 (1-912, translated) 304 residues
VVLLPLLVPQ LQVQPQLQLP SLLTRQRCAR KSKRSCAPNT ASKLDDASKA AQKAQNDKAS
AQDQLQRAQA DAKAARDEAE KAKAEAKSAA SSSTTKAAAV GAVGAGTGAA VATGAANVDT
HMQAAKVLGL AQEMADRLTS EARSESKSML DEAREAAEKQ IEEANSTSNR TLEDARANAE
KQIAEAQNRA DTLVNEADAK AKNLVSEAEK KSAATLAAST SRAEAQIRQA EDKANALQAD
AERKHTETMA AVKEQQNALE TRIAELQTFE REYRTRLKSL LEGQLEELHA RGSSAPTNNK
PSGE

> RXA02734 (1-384, translated) 128 residues
MRIAVTGATG SLGGHVVDLS LNKGVAAADI VAIVRNEEKA ADLKARGIAL GVATFEDETA
LTAALEGVDR LVFISGSEVG QRVAQHTNVI NAAKATGVTF IAYTSLNLG PQSLHLLQST
LQPEKLLA

> RXA02735 (1-705, translated) 235 residues
MVDVVRARDT EDLVAQAASK FIEVVEAATA NNGTAQVVLT GGGAGIKLLE KLSVDAADLA
WDRIHVFFGD ERNVPVSDSE SNEGQAREAL LSKVSIPEAN IHGYGLGDVD LAEAAARAYEA
VLDEFAPNGF DLHLLGMGGE GHINSFPHT DAVKESSAKV IAVFDSPKPP SERATLTLPA
VHSAKRWLL VSGAEKAEAA AAIVNGEPAV EWPAAGATGS EETVLFLADD AAGNL

> RXA02736 (1-957, translated) 319 residues
MIFELPDTT QQISKTLTRL RESGTQVTTG RVLTLIVVTD SESDVAAVTE STNEASREHP
SRVILVVG D KTAENKVDAE VRIGGDAGAS EMIIMHLNGP VADKLQYVVT PLLLPDTPIV
AWWPGESPKN PSQDPGRIA QRRITDALYD RDDALEDRVE NYHPGDTDMT WARLTQWRGL
VASSLDHPPH SEITSVRLTG ASGSTSVDLA AGWLARRLKV PVIREVTDAP TVPTDEFQTP
LLAIQRLEIV RTTGSIIITI YDAHTLQVEM PESGNAPSLV AIGRRSESDC LSEELRHMDP
DLGYQHALLSG LSSVKLETV

> RXA02744 (1-804, translated) 268 residues
MSKPFENSAL RGSSRFAGT FTPAPKRATP AKMLAAQGKM ESLLFLRHGE QQLLSIIIP
VALIALANFD FIPGENSLDK TFPFALATAA MSAGFTGQAI SLAFDRRYGA LKRTGASGVP
AWTIIIFGKVI AVIAVTIVQI IFLGVTALLL GWSAPVGGVL FGIVTLFVGV SSFTALGMLM
GGTSLSELVL ALANLIWIVL SGLAAWAVFS PSVNAEGVLS IIPSVALSQ MVDAFNGELP
WLQLGILVGW LIITGVAANK LFNFSASR

> RXA02751 (1-474, translated) 158 residues
VLPIASGND RNLIRYVDGG RFDEIMLTGD LTGLSSFLT N AGPNARDDFD LTVLMRAAEA
GNLMVVARLL DLGANPRLTN PRGVTALHIA AIAGDDGIVE CLIDAGAEVD AVDDQGRTP
WNAAAHHLDP SAVVDVLLRA GANVNLRDCN GVSPEDML

> RXA02753 (1-2493, translated) 831 residues
MLDSLKNRFT KAKGSHGVGE GAVSGDAAVK PLRKEERLAS VIQETEPGAA VEVMMRRNDAF
ALPGETGWVV MLLPTHDSQF GGLNAKEKNR EDKGTIINLV VNDDIHSVVT PELLSDSVLG
VIPDADSFDR MDEFDLLRNK ARWHYGVAI EPDTGELVVF KVPKNSASA RGDI FSEVGD
VLSGAADLED VVDFEVIATF LEVLNETSEV DIDDEDGDVP YGLEGVNAAG VITDDLIREK
LDVDSYPSSA EIIDNIVHVF TKLQKGHHVA PQPVLHSAV VDVAQESH D TVVIESPDDV
ALAEQVDVPD FSDGFGIDDA EVTEPEDEEV VEATADADPF GDVAEDDPFG SDDEPDFGAS
DVVAAPAPVA GMSDEQIQAL IRGVSESVQA KTGSELNALR EELAQUALAYN PVQDSQAALA
QVHAADARSF DADQVGDAVT KRYVNDLGL YVDEANFNNA LTRAPFQVAM PQFQETTPWL
GDQLRTLAV FNGQLLDQHQ RDYEEVRAMY IALNDRSNLE IARDLGLDNK DSEFYEVYRA
IERDRDVMAG DQQRVESERR QQLQQEYEAN REEYVMAKIA EQRVEYDRR MPRHTASLEA
VGRELTSRDL RTIEDYTARM NTLRRARAGE RANAAESRII DELRPIVERQ AELQRAAFDG
FIVDLDFKFA DHREDDLRLA SVNEQKLAAD NRVAQLTKEA EERIEGIRVE TDKMIASQRK
ALERQEAFA AELKRRDTIV AASEERAERE ITTARLDAAE ALKRMEEQIR VNNEAHEAEI

VIERDRATQA EANSMTFVES VKQQDRSNNI ILIAVLIVGL IAGMVAGAAF F

> RXA02756 (1-891, translated) 297 residues
MTSPYGSQYP GDDNNWNWSQ FGNPSGEQNY GQPYGAPYQ PYGQPFQGF NAYSSPIPPE
VPQPSMQEAQ WRSFDLGTVE GQAWKGFTAT WQAWVLSALI YFAVLLVLMF AWILPMVSVL
AATSSGSDSA AIAATGGTSF FGFMLMIVLA FISFVYSLNC YRNAARVVRG EQITIQSFFK
MKGLGKALGI YILINIVIFI GMILLIPIGI IAAVVLIFAV PVAFQLRDAS IGDAFSASWK
AVSKNVGQVI LLELAIFALS FLGSAVIIGM LVTTPLTFL YAYAFQTASG GPIMQRQ

> RXA02757 (1-546, translated) 182 residues
VVKLCLDERV STDPDFRAAL ERWYGHILIRK VSRRARNAAW DRVQDLPGVT VEDDAAKVRA
FLPSAVVDVP ADIKKLQISG TELPLDEPNP INDEYPVIYI DESLKMTLGK AAAQVGHASM
LLAAHQPFWE VEQWEAADFA LHVREIPSEE FLRLIESPGA VPVRDGGFTE VAPNTVTVVA
IP

> RXA02765 (1-759, translated) 253 residues
MSNQLPDHVR DAFQVGAGPA EQLGQAWDFG FRVGNTVFAK VTAPEVSGWS SKTRETCLKPE
GVRVVRPIRS TDGRFVVAGW RASVFSTGTI SKRVDETIVA GLRLADALVD THAPEPVDNV
FNRADVQAW EGPGRIGELL EPINRVNQG HADMLATTLY AGTQPPAVTD LVPVLRPHGF
TAALVIVDGL LLGAVDEGIL RRFSLPEIE QLVLAFLFR RNLQEFSENN DPNVISNLNR
VESTLVSYVS DK

> RXA02766 (1-393, translated) 131 residues
MTTSENFYDS VGGEETFSLI VHRFYEQVPN DDILGPMYPP DDFEGAEQRL KMFLSQYWGG
PKDYQEQRGH PRLMRHVNY PIGVTAAERW LQLMSNALDG VDLTAEQREA IWEHMRVRAAD
MLINSNPDPH A

> RXA02770 (1-1320, translated) 440 residues
GINRQVIYTI NEDATYSDGQ PVVCDFFLLS ATAGQMPLEF QSHVPLTSQI ERVDCVSGSK
VATVVFKEDE GERWRYLFEQ GDLLPAHAVA SKAGMTLEEL NQALKDKDPE ALTEPARVWS
EGFQLSQFDP ELQTAFGPYK VDSVGEFGEV KLVRNEFYSG DQAVEAEITM WPKGSDLSAI
ADNGNLQIAH VVAWESEPWW NRDDPLNPYD IKEEVGVLTE QLTLASAGVF YAAEARQAF
ACVDQEAVAL ASSSISGIDV PAVGVHSHVRH QNPVVHQIGD LPAQHMAVDI NAASALAGQS
IRIGYDGPDE RKAAMVEAIR QSCEPAGITV IDASQEAVAL NDLRTEVSE WGYEQYFEGT
LDAVLRTVDP HREYENANTI GTDAESTRRT EEQLWAEVPS IPLAAQPRVF VIDRTVGNV
VNTDLAIGW NMDRWSRSEE

> RXA02774 (1-471, translated) 157 residues
PCPPTQKLLY AQMREIAAEL TACDATRGLH AEVAAEWLSD AITGEPTSIE IDPHRNLFYA
LNVEHPRLHE LFAGYATRLD ELDRAPQOCE SRQYFLDYVC ADNPFQSDKP EGIIVLLADH
VLAADPVTNK PALKSEAFPT VTDYCRTHSA KPTDILI

> RXA02775 (1-225, translated) 75 residues
MTTVQVSTRT VREHRTVPV DYAVGATISE IYACAMA EK KANNLGLNTT KDDWARVTVT
DNAVVFIVEN VIGNT

> RXA02776 (1-342, translated) 114 residues
VLYPVEAGTV SLVDVKKAAS RAFEQWEKHN ESAGDVGDDL SLQSIVDLIE RDTFPTDDEQ
ELNNVALLIG ELLVREAGGE WTSYISKKN EDESLEIFGV FGTGGTEGLS VVG

> RXA02777 (1-1107, translated) 369 residues
MNRPLQSQNF SITSEWANAT FNDIEDSLEG SFDIEPGQYI GRGEYFVATS GTGSKKFIKV
VLGDGIDSEL NRRIEIEILA SSLHLPSTDL ISPVVIQYVK ESSNFPQDFY IVSDFKDDTE
TLELSKASLP LTDLAKIGAF LFRLESVTVP PQNPARRAMD VLDGLSLLAN KGNIETGAQL
TKGTIQALEI INQEATNIEN ALEKVTKVG RKFFSHGDLK FSQFLINGET GKIFLCDWEE
CGSAHFANDL CFLAGDLFYS TIRELVDNI KNIKGSIIQ EAYDNATLEA VSKVNAITLG
YSSERGYSLT SDEKRIISIR IGLAGLFRLY TVSAKSNE LR PRELALASIG MQITLGQAPN
LVFTDSKVV

> RXA02778 (1-225, translated) 75 residues
MQVIETLDPD QRAAVLAAAI PREAKILGRK VTLRPGWGNM RVHVVIIVIF IKFLQPDLRQ

ALLTTGDAVL VEDDT

> RXA02779 (1-279, translated) 93 residues
MGEYFQVVQN IAMTLGAGES VDLVVREYIN DVEGNPTIYH GMPLRTEYRA FIDLDHCDPS
AGEPEPRLLG VTPYWHPSVM EKALRLCFKR CWC

> RXA02780 (1-327, translated) 109 residues
MSKEHTRDD ~~VISRTALLP~~ ~~QLRAQELQGG~~ WSDIMKNGE DFYLIDMALM CESALSELLT
VTDEYATVEP SVINDFANQL VIDYDEHDMG FDRDFPAGVY NTRQASAIN

> RXA02781 (1-1191, translated) 397 residues
VVAALVFGFL LPTWERGLSD AALKFVFEGG PDAAREVLGT IAASTISVTG LIFSITLVVL
QLVSSQFSPR MLNGFLRNRI VQATLAMFLG TFVFSLTIVR YVWSEDEDIT GFVPRASVSV
AFLLVLGCLG LFLAFIRLIT FSMRVANAIS EIGEETMALA ARIYPVQSDD AGPVQGPWS
PRPGDPREEI RVGNHGSLVW IDYRKLVSWS TEHQAVITVD RVPVGDFLVEG QPLLVRVWWDG
ELSDRRDRVL HSAIEVRTER ELHQDVAFGL RQLVDIADRA LSPGINDPAT AAQCQVEIHR
IFRYLVTVIE PSPYIADDDG RVRVVHQVQR IADMLYEVIR EIHLYGADSA MIPRLLRTMV
EDLVTAADH SLPAPERARG ILDEETDEDR DSDTANV

> RXA02782 (1-672, translated) 224 residues
VAPALNDLAT THPKLAEQIA DPQPSGVSA AIIPTISRGS HTQLTWQCSK NHDHQWVATV
KDRVRGTDPC TCANTGTSRK EAELIEVIRA LFPNTDVQQG ALINGRTGNQ GASPSTDVLI
PSKNLAIEFN GLYWHSELF I KDKHYHANKS ALAEQAGVQL IHVWEDDWNL RRDIVIRMIA
HKLHATHNLS AVLPTETTDS RVATTAFVAVH SHCRWSLVHA LLHS

> RXA02783 (1-549, translated) 183 residues
VVSGSRAAAF LNSNHIQGA V SATKHFA LCD NNDDIRALLS VRSPKNNARM YRKKGTWEIQ
RYATLGNVPG GFTRLLKFAE HTLNEHSTVL KQWISFSAAD VSDGSLYRTA GFTAEQQ LAP
DYRYVGGATG WRRTPKESFQ RKRFRDDPAL LWNESWTEHE AALNNELYRI YDAGKTRWVK
NVA

> RXA02784 (1-186, translated) 62 residues
VAFAGYYQE MAEVVCEARE EGITHEDTLH MLNDMMAMKR SGEVLNTLAD VLYANECPEY
RI

> RXA02786 (1-807, translated) 269 residues
ILRNLGQSLG SLHAATADRE EDFNILLNRM LAKYPATAEM QKNRDRLLPA AIEVGKKILV
DAGVTPEVV EEFARVARR LISGRHRAFT PFDLSPDNII VAERTHFLDY EVAGFRDATF
DVACVIAGFP QFVFSRPISD DEVDELIESW VQEVIRGIWPN VNNEERLQAR IVTALIGWAL
SSVAFMKLGS ISGMLNLLHV TEDGNTTLDV SNLDELLIPR SAEDDELVQQ DLHDTFSALQ
RFAARGLDSR FPEVARFADD VVRLFLKND

> RXA02789 (1-546, translated) 182 residues
MKVSADTPGH DDPGPGRR LG LDVGTVRIGV AASDRDAKLA MPVETVPRET GFKGPD LADI
DRLVAIVEEY NAVEVIVGLP TDLQNGSAS VKHAKEIAFR VRRRLTNAGK NIPVRLGDER
LTTVVATQAL RASGVSEKAG RKVIDQAAV EILQTWLDAR TRALEPQSTD TQDFDEKGNF
PG

> RXA02793 (1-702, translated) 234 residues
MKSAAVPTLD ALGVLD RVVT KAGAFPAGYY DADLSERVTD IPTLSNKIDA SGHV LISKEV
VVAANPDIVF GETDTINRAS MASSNIPVVE EPAFCGSIDG DVSFDDVWSQ ISTYGTIFDR
STEADAYIAT LKERVSEVSS RVTDSGKTVA VLYPTIGGGV TYAYGRGSMA NPLVAEAGLT
NVFADQSERY FEVTAEELIS ETPTHHRFTQ RRFPRHRRR GGQSPRVQRT HCSE

> RXA02796 (1-549, translated) 183 residues
MRLFASITPP IEVTEHLINA LRPYKDDL RW SDPDNWHITL AFYGELPDGA VEDLIEHLTS
AARINEEFTI RIKGAGSFNR KNLWMGVGGD TKDLRRLMAD CLIDPEERRR QRAHLTVAKP
TQRQSRDWD PVIPDLVHAL SIYEGPEWPV DEIELVSSEP GKGRSGGPLY TTVATIALSS
ALV

> RXA02798 (1-1425, translated) 475 residues

MRSVLDYWIM TLAPSTNAVS QQTRRNPSQA PRLHLRLHFF AGIICAPLIF IAALTGLVYA
 FSPTIESISN QEMLTVSKSA SDTALPVR EQ VSIAQELHPD LDLSGVRLGD DSSTTRVLFA
 DETLAESTVR AVFVDPYTGE ITGDTTQYGS SAALPFRQWV SQGHRMLWLG EPGRIYSELA
 ASWLGVLAVG GFALLWLRNK KPGRLRKMVR TGGRGRVKTY RRHAALGTVA GLGFVFLTFT
 GLTWSTYAGS NITDLRTQLN WTQPSVNASL TAAPQVDMHD EHAGHHMHME SATSGSGSID
 LVAATAISEL RTPLTITPPA QDGLAWTATE NRDAYRFTTD TIAVDGDTGM LTNRLNSTDW
 PLAAQASAWL IQLHMGTLFG LPNQVVLGGL AASIIVMIGL GYWMLWQHRP REGWPSAPKR
 AGFEKPTWGT IALGVVVIAY GLLAPLFAVS LLVFIGLSLG VRFISRMGR ADTSN

> RXA02799 (1-273, translated) 91 residues
 VARNIEDIQR DIERTRRQLA STLDELADRS KPSNLVDDAK NQATAKLQES NVQKVLLGVA
 AVVVGAVVFS VVRGRKKAND LKEIQRLLSE R

> RXA02812 (1-567, translated) 189 residues
 ASGTDASTIT LDQVALPVAT NSGASAAVAL ALAETPEAAA AALNRDADVT ATGAADSPAF
 ATVEGAELPE GYTFEAVDSA EVPVWAVAIN AGNGISEDQA RAASDFSSFS FDTGNADNSA
 LESVLTQASS ESAAETTEAQ PSETPVEPAA ASPSDTIINL DTSSNMDRVV DGSQETYHTV
 TSRTLANLA

> RXA02815 (1-552, translated) 184 residues
 WLRSTKEFED QPVIPAFEVI ATVASEFAGD DGNYSNEFPV EDLVGYVDAI TEAGGYAVLD
 LQPGRANFLD QAKMYEELLK RPNVGLALDP EWKIGPDEQP MTRVGSADAA EINEVSQWLA
 DLTAENDLPQ KAFVLHQFQL EMLTNRDQIN TDHLELAVVL HADGHGNAGD KYATWNMLRE
 GLSP

> RXA02817 (1-399, translated) 133 residues
 MILGVPIQYL LYSLWNWIVD TGFDVAIILV LAFLIPRIGR LAMRIIKRRV ESAADADTTK
 NQLAFAGVGV YIAQIVAFFM LAVSAMQAFG FSLAGAAIPA TIASAAIGLG AQSIVADFLA
 GFFILTEKQF GVG

> RXA02818 (1-606, translated) 202 residues
 SYSRKFLTQV WIRDNVGDYK GLTDTAFRKK LQRDLAYLRR VGVPIEQFTV TSGIAEGQQA
 YRLAQDSYKL PEVEFTPDEA AVLGMAGEMG HNQELGAFAR SGWTKLAAGG AQRDLSTSTA
 LTNAGDLGSL SAKTLDAIHK ARQLGKQISF EYRRAPKDAP SLRHMDPWGL VPERDRIYLV
 GFDLDRQEAR TFRITRVRNI KL

> RXA02823 (1-270, translated) 90 residues
 MTVRNPDR EA IRHGKITTEA LRERPAYPTW AMKLTMAITG LMFGGFVLVH MIGNLKIFMP
 DYAADSAPHG EAQVDVYGEF LREIGSPILP

> RXA02824 (1-528, translated) 176 residues
 FYETGEALDP TGDSLTISS TAPSTSTTS TSASTSGGTA DCSSGALGVV TTGTNDGMLG
 TIQEVNNTFA IWNNLIVNTE RMFCNIDTLK ARFDTDSSD SATSATS GTT ASTGTAAATT
 AGTTGTTGTA STASGTS GTS GTATVA GTTPTDNGVC TASGSLGVTQ ASAQWG

> RXA02825 (1-384, translated) 128 residues
 NVSATEASGS ASVSLSQSGS QAFADFYTPG TQLDPISFSA TLGGDASCAT GSTSTTGAAA
 TANTDNTEGV AGEESTTPAN QNSQFQIRQA AADSTGLDTT TTMLLILAAF VVAGGSMTRF
 TVGNPTGK

> RXA02827 (1-423, translated) 141 residues
 MYEQQKILNE VSEKRLQAIK DFTELGSFGK IAMRDLIRG AGNLLGAQQH GFIDAVGFDM
 YSQMLSEAVX RKQKGNSQVE KXXVEIDXGV DAYLPETYVA DXRQKIEIYK RIRELDSQEM
 LDELEDDLLD RFGEXPEEVA H

> RXA02838 (1-462, translated) 154 residues
 TVPLGDGQGR YIAKIPSTAF VGVSENKFAN LALAEAIGME VPARELVGRA QFEGVPPEFE
 AMTDGLVLLV RRFDRAGDGV RVHMEDFAQV FGLYPARKYD GAASHDIAAV LGSVVSIAAG
 LEFVRRLLALS VVMGNGDMHL KNWSLIYHGR GDVP

> RXA02840 (1-150, translated) 50 residues

MTVISGALNV LLPDATDWQV YEAGSVFNVP GHSEFHLQVA EPTSYLCRYL

> RXA02841 (1-279, translated) 93 residues
MFAAFKSNLP TIKKLVEVI NGVDAALNEL ERHVTNESVR ARELPNVQYK ATAGRNFAIS
KLVQNLRRIN KAQNNPRGVP THATVILLKG DGS

> RXA02842 (1-342, translated) 114 residues
DAGFVYFGEI DDAGHIFGLA GDEYRGGIRR VDTLVKKVLS EVSRRSDELG EDWLVTITD
HGHLDEGGHG GTTDRERESW IITWSPHREL PQWPPEIAPX ELAELMLVER RTLR

> RXA02845 (1-615, translated) 205 residues
EDHTSMLTHF SAAVGMHORD PARFPGQGDG SYPDLFWLYK NALNLVISSV LFTREQMDNM
LDQMDEHFTR AGIPRIAINI ERRDDALMNG SLERALELQE LIDASQHDDP FDDCPTCQIA
GKAALAMAAD DYDETQNLVS QIISYSGIG VMEPETTLAA FMLRVLKSGD ADYARYLQDV
SAKANPEFQS LDSVGRHLEF LGITG

> RXA02846 (1-573, translated) 191 residues
VNGLSIINAV NNAWSVRKRT DWAKFRILAG ALVLGSVPAV AVVYFLNGPW LLIFVGAMVL
LALGVSLFPT EKFAKQEAQ LPMVIFGMIG GFMSTVAGIA GPSLTVYARL SRWDYRDFVA
TLHPVLLVAN TVSFLLKVIL IGGDLDFGGAP AWLWIGAVAM IFVGAWLGEI VNAKVSTPMA
KRIATLLAAA G

> RXA02847 (1-594, translated) 198 residues
MAVQGGFYLF AILLSMAIIL IRRYRPEYSA VRLATPVLAV LTSVSFFSAI LWHFIDQSVN
YYSTFTRFEW LGLGALLVLH APRILISAKT KSILAAVGLF MVLSTGFFMD GAETFPGFPA
LYPILGACLV ILGDGKISVF LSRKWMLWLG DIAYPLYLWH WPLLIIFTAL FNQEEPSIWL
GIAVIMLSLG LAQLTNKY

> RXA02848 (1-399, translated) 133 residues
MQIVLASQSP SRRRILNSAG VEPLIHPADV DEDALLHSLN GSAPEEIVRQ LALAKAQVVA
PSYPGDVVIG GDSMLLIDAT LQGKPHTREA TIERWKQQRG NKATLITGHA IIFGDEVIVE
SSSTNIHFAE ASD

> RXA02849 (1-282, translated) 94 residues
SPYPVMISTS ADASNVTVRI MGVDTTSVES INNGRWSTTQ PNTVRVSGSD CVPSTGAPGF
TTSDDTRIISD LSGNEITREP VTTVYDPSPN VVCS

> RXA02856 (1-249, translated) 83 residues
LPHAKELAHE LCLLPTPAVP ALPTDSGAQF DIHQALSASL ATYARNLTLL SHTAENLGNR
ALTGLAEIED TDDQLAHAE RLT

> RXA02858 (1-1026, translated) 342 residues
PEWKKFNSGD AARVVPDANA ELDIIGAPAL LADRPSYANV KTLRIFAVM RSLGHVTAAS
PVTVFSSHS VLSNVDRGSE HYSGPNGLGE WTSVGRAVAT NWNGVVDALD EAITVKEVNS
LFTEDAATRI QEAQAAVQAA REAEEQIAKE EAEKVDPYDN SPWAAAGIDP IKVSIDGRTI
YTLRTYLGGO PVFLGKFGEI FTFNSQKSL RLVLEHDDHD LARASTWSDL MLGINAGETE
LLVHSDNVYS ENGLVKDINT SDAVDTQOM ARAYELMADT ADWADDDSMN SYFLANPRMQ
DYISYMLGGS DTSGYVPHAP FNDHSESWRE LEEMLIKRFK

> RXA02862 (1-636, translated) 212 residues
MNTNLPNLYT AFDLDRSESS EALGVLSLSAR DLRLEQMGLA QDDPRRAQTV QAFVLAADPA
KRATYDAQLE AGVPLTWAQI QHLGNFGTLP STPTAQPFPA PQPEPSPEPQ QQWNSGQNYA
YGNPTMDYQT QQSYNPMQDQ TQASMYAQPF ANTPAPMYNS NQVFNRPTAG TRLWMAILDS
IFAGIAGGIV SGIFGFGSEF LTSVIMILVL IV

> RXA02867 (1-606, translated) 202 residues
MSATNPDALD VQHVYPIKTK KTPLAVIFNI ISGGLIGMAE LVPGISGGTV ALVLGIYERA
LHNGDLLIDL IKVLIKDRSK VKEAAAKIDW WFLGAIGVGM VVMVFSMSSI LHTVVEDYPE
ITRGLFLGMV AVSILVPLGM MDMRDAKKRL AIVIPLFIC AMLGFFGTSF TSAPRTDPSL
IFVFICAAIA VCALVLPVQV DH

> RXA02874 (1-480, translated) 160 residues
 TELNRDTHHL WVVLTTDSDD FDADSFTTEV IRITGYSRHE VNNGLNAMAA MTNLPHLRAI
 QERYYFLSIR YLASIMIAVA KADPTLWHEEL DLRITDALTP VTAGEVMIQS STLSKXHRXP
 GSKNSTPNPH QSPHRKRTMF TSTPLMRRPM SAKSAAPTA

> RXA02876 (1-663, translated) 221 residues
 MTSDKDTEQL EAAGTEILMP RRRPAQORSR ERFNRILTAA RSVLVDLGFE SFTFDEVAKR
 AEVPIGTLYQ FFANKYVLIC ELDRVDTAEA VAELEKFFSDQ VPALQWPDIL DEFIEHLARL
 WRDDPSRRRAV WHAIQSTPAT RATAAATEKE MLEIIAEVMR PLARGAGYEE RMSLAGLLVH
 TVSSLLNAYV RDVNSSEEDF DSIVVEIKRM LISYLFVSAT G

> RXA02881 (1-666, translated) 222 residues
 VKKKMLMPLI VAALGLSACS SEPAAAPLEA EPLHNLLIDG SESGLDNATE GNDTSLSGQP
 INLTVVNGAL DIDGSCGKAL QAVEDVNLDV VASASRALAS GDKQVGIAMY STAEDNDISP
 MDLYADIANA CEDPVVDSSD TTYTFGKLDD APDGAVGFTL DIEVTPDNQG STVMMIQELG
 NHHIIVAGLE TTPEETATVF EAQRTKLEEG LQLKQNWQLG WV

> RXA02884 (1-462, translated) 154 residues
 MLLTILWAIG ITAEGMTGAL AAGRQKMDLF GVSVIACVTA IGGGSIRDML LGHYPLVWVE
 KPLYLLLIIG AAILTVSISF LMEHFRVLFL VLDVGLSAF AVIGTQIALE MGYGFIIAVV
 ASVLTGVFEGG VMRDLLCDRI PLVVFQKELYA SIAF

> RXA02885 (1-1536, translated) 512 residues
 RGKGFHFTST EFAGSYSLVT NGLNDVAGEY VGVMRGDVNN SAVLFDVDRW SGHVVCADSS
 INTSPLLKRP RVVDMWGSKI SQAALLNNRR VVHLVLNGAK LDEMGPKELES MTAHVDMTSG
 DLNMFELEFGK QEDELSTLYST HMDKIVFMTE QALGDKTSEL ALLRGKLKEI ITAFYVDMKM
 WALNAGENRD KLRLVGVPEH QIPLLSVFVS YLDQEYERQK YEGTKDPEMF RAISVLRITY
 KDLLDTHGDL FNQHTADGID SVNSARRVIY DFSGVLRRGA GVAMAQLVNV IGFVETLQ
 GDVVIHIGAD GIVDQVQDY LANQFAYMAE RGRVAYLYS SMDAMLGTVG FNQFQRAAYT
 ILGPMNVDSV DTYQSLINSQ IPMDLARLV TQNSGASYLR RGSTNVVFET NLALGVNPYM
 EQRRKIEAQR GQRRSKRDH YGGGTTMVG ADLDVVAIQ KAEHREERFD EKSARKMKEL
 DDVEAKELAL KTGPKNLDDA LAQVEKKRLA KR

> RXA02888 (1-429, translated) 143 residues
 MYSDKLILF LSEQDSSYEC CVGLLDGSDG RDYIEKLLKG RKLKNHFLEW EDINKADVAR
 EEIYKQLVH LVFVTALSTP GEISFVFPGQ SLMSATLEED FAALVLEER TSFRPELSHL
 WSLPVGWVAP GLEGFVERNS EAA

> RXA02892 (1-504, translated) 168 residues
 MEGPEAFTVA AIAAAAGVSP RTFHNYPSPR EDALVQFVVI RVQELTDQLY EFPTSVPPRD
 AIEQLVINQL RDGDDAMDSF SAMFRIGEIL ENLDPIKCVI DKERLIAPLL EFMVERDKDL
 DKFDAATLIH LHAAAIATSL HTFYQASEPR DIEDGVALIR RACAWIKK

> RXA02898 (1-1626, translated) 542 residues
 LVVDSSGRYN VTITGLTTE TDSATALNLQ MSEAGYLERV TDGATVPSVM LSAADGTTPO
 ELVDALAAEL GSNFDVETGE ALVEQATGMI TQALSFVQYF LVAFGLIALL VGTFFIANTF
 SMIVAQRMRE FALLRALGAA PGQITRSVVL EATIVGLFGS ALGVLGGMGL VAIISAVLNN
 LGMPMGSSVG LTPSAVVVAL VLGTVVTVIS AWAPARRAGE VKPVEAMRNM ETTTMRSMG
 RTITGGIVLA LGIIFAIAGA MMTDSSTATR SILVGIGALF VIVGTFLFSP ALSMPVVGGL
 GKVIGAPFGS VGSLAATNSK RNPRTATTA FALTGLIALV TAIGMLSATM KDAVSDMAE
 QYTADYILQG PTNGSITMPK ESVDNDVDAE GVADVVLVSM NSASVNGQAS YSQLGQSVTF
 VADGDLKVI STESIDGSLD LSNPGVVNTQ TFADENGWAV GDTLQLESMG QTIGDIELIG
 TFTGNDAIGN MIISSESLAD TPAADTAVPQ MMLLVGEEGF DKEQLRTNLE DAVADYIVIS
 VK

> RXA02899 (1-480, translated) 160 residues
 MSGSTMRRI SLRNIGAHKV RLFLTVALV LGTSFVSGAM MFTNALSSTF DEAIASSFDG
 VDVVSPNGA SEVQGVVET VESLREDSRI NHLNINGSQT VVLADADSKA IQTTGGSSLS
 IYYSADDAVA QAPELAEGEA PTGTEEVLAS KAGAEANGLE

> RXA02905 (1-474, translated) 158 residues

MDSVNVLLIG IIVAIAALLP RKGKYGPIAT LLVAGDWLGV FLLSILVMLV FDGLEDLVQG
FLDSIWFGVI LLVTGIVSFV ATLVSKTDST RKLDGFLAPV KTPSWKTVGA GLILGIVQSA
TSVPFYAGLG YLSVGNFSPE IRYGGLVVYA TLALSPLI

>RXN00022 TRANSLATE of: rxn00022.seq check: 7277 from: 1 to: 1701
MSAPTIYPGKTSIDPITMDDARIIFFDIESLHNIFTVATYDSLHHVDVFYLLDHTTSP
QITVLPMSMDYFDQTRSDAVMAAIEQNPAFAEIKGSPITTADVALHNLGDTNANRRWQS
NVLLARLLGGISVRGEVPEHQSHNHLAKQFAEATLVTRDFDVNYDPTSAHPFTAGFNSIN
YDTTLLSLYFAMLTSNIGSTPTYFPVITAQELRAHNDKLFSPFIKNMPKYLWDRDSGAG
LRAASGFRNAMLKSGRHIDIQRLNEKQLFVGLKRLGLLGHQILESDRLSGDDAHVDNE
DVLDLIAYNVSDVVGTRLLAEDPVYSGSFDLRAGLLSTYPETVFDHGTFRQPSTQMRKD
RLTINTSSAQFAARILAPYRPLRDVPAIGDMPVVSYLVPDAVAEATGQKQVNVLDSEK
KFFYDNITDPEARAADFVFAFYADIEGRNFSHNEAIDTQINQLRAYLNQVVAFDAAGY
ALYDVRTRFEQIFPKDRSYINDATDMTPRAVSSFDDLVALCDDIRGVLDRGLEISSPNHH
EMVDAMRKQLHYIQAFYRAWDPSTPLQ

>RXN00027 TRANSLATE of: rxn00027.seq check: 3923 from: 1 to: 366
VDESRFARSVFPDGEEDPRFTLANERTFLAWTRTSLAFLAGGIAFEAFQISGLSDTVR
TTIAVFIIAVGMIIAAGAAVRWMNVERAMRKQKPLPVPPIIPFLSIAALVASAAVLVLI
VQ

>RXN00028 TRANSLATE of: rxn00028.seq check: 5847 from: 1 to: 1947
MTLTASSLEAGKMSFSGGYIVGETMIFLVPDEVEIRRSPNSLHVLNRGSDILRRNEHHC
WVFENFNKPIDPPVRLGPRDIICPSALAWVLQQHSISRSLSHHLHADKITAGEIAGRPTW
ILREPTSGGQDPSRLVSLIDQEHGVLAVETGQERLEATEISFPDTLPNPSWDGAWEP
FHYPDSTPHTAPDVAEIPGYIQSLPPQSEDPRRLRVFVNEIALEGDFPDYRQGSVRLTL
GISSSPVPLEGMTTRRRGRVRNLGEEASPGDDGMPQWPILLTG DGWTALAYTPIPKRGDA
EIQGWFYYSAYGIVDVPTDLRVERIFAGIGTSGTNERLWQEI DNTSSAYHSEDWIRDVV
LDVTLDGAVPPPLRRDVF TAVDPIVAGDKLWLC DVHFPVARCWETTTGRYLGQTLVPAPL
RDRSYVLELHSDQQLGAVAASGKSGWILTPGQAVATKAPDWTPTTRATDLPQVPSPWEIV
AVRGQGLFELQVETSRRTALGRVNATGGVDIGELPPNGYTISSVVQIGDEYIVGRWVEEY
RLNSKLEVISTKELDISASGWKSKGTVAYLSEDTHTICFFDQVSGAELPSLGIAEGHQGEV
MSATSSESISVLIYRRNPNSMSIVPTS VATYDNGTWTMTPLQEAPAELS

>RXN00033 TRANSLATE of: rxn00033.seq check: 3319 from: 1 to: 1335
MSVQQSGLLERLGIPLIFGFIGLTIFMIGDGVETNILEPFLSSEHGFSVSLAGTLTVV
YGVAVAI AAFFAAALS DLWGPRKVMILGASIWIVFELIFLTVALTTDHTWLIFLAYGLRG
FGYPFFAYGFLVWITATASPKQLGTGVGWFYVAFSAGLPTLGALVATISMQYVNLTFYET
LWVSLVLVIGSLIALLGVKERRGRHPLVANPDDVKQTLGQGFKLLRNDRRARFVTYIRT
INSIPTYAMAVFFPSFFTDDLKQWSFLILTTVIYAVNLPENPFFGSFGDRHG WARTVF
WGGSIGGAVTLALVYFIPMGVQAGMSNGVVFGITIAAGALFGVSLAGFVPLSAIAVSLD
PKHPGAAMATYNLGVGGAVAVGPLLVAVFHPLIGPTGLILVMIALYLLSGWMTLQLRGTO
PGFDGVPALAEADAHIEDLADV NANA

>RXN00056 TRANSLATE of: rxn00056.seq check: 471 from: 1 to: 750
LLNRVSRIAGASAITLCIGLTTILSPTSTAQSLEQITPLPESAI DLNAEIHVNTSDISAE
QILGAQDEITTMYSHDHPYEFDTLTDIEQRSIIAALKRDPSSLQQRQETRLAAQSDPYK
IYISGLEMLSCINLVDVSCGIANQAATKANNEAVARYPGDSL RNGKGD AFRHCSWNALM
TIRIGSNGAERIATNHETIGDGPADENAMDLFNNAQGRQIGAGFINSKDETSALAICALW
TNLGRCLKLK

>RXN00067 TRANSLATE of: rxn00067.seq check: 5053 from: 1 to: 486
MVDAQRPKAGIFGSHTEETWVWLGNELFDESGEVIADVRSDVLYVDRERLLIESTPGTMR
FRCRATLSGGEVYTMQNSFTVGDLTAVCGRRTYSLKRVSPWRKERLITNNGVEVARLRP
MTSGKVEFIVGTAGSEALPFVDAVFLSWACVLVDSAVRRPKI

>RXN00077 TRANSLATE of: rxn00077.seq check: 3953 from: 1 to: 1362
MNDENIQSSNYQFPSPFDDWKQIEVSLLDVIESSRHFSDLKDSTDRSALDAALERA KRAA
AVDTNAIEGIFQTD RGFTHTVATQVGAWEQMAMKGKHKVPAFDDTLEGFEYVLD AVTGR
TPISQQWIRNLHAVILRSQESHEVFTAVGVQNQALQKGEYKTQPNSPQRS DGSVHAYAPV

EDTPAEMARFISELESKEFLAAEKVIAAYAHYAFVCIHPFADGNRVARALASVFLYKD
PGVPLVIYQDQRRDYIHALEAADKNNPLLLIRFFAERVTDINSIIVDLTTPIAGKSGSA
KLSDALRPRTRVLPHELHDAHRLQESLFTEIRSRLEDEGKRNGLFLLQRIFIGSPFNLPE
GYNAFPDSYCLTLAFNSNSPKQIFHPLSIVIAARDGKRASSDLVAATSIGYNFHAYGREV
EPVVTESFRERVKIYADGIVDHFTELAKKFQQN

>RXN00080 TRANSLATE of: rxn00080.seq check: 4040 from: 1 to: 1530

MDILSLLMEGFAGALTTPMNLWVIVGCLLGTAVGMPGLGSSMAVALLPMTFALDPTAA
FIMFSGVYFGGLFGDSTMAILMNTPGQASAIASTFEGHRMALNGRAPQALATAAIGAFIG
GIVSSFIVVFLAPTLAELSTAFGPAEYFALALFAFVATSSVSDSVFKGLASLIFGLGIA
TIGIDSVTGIERFTLGAPQLFDGISLVTVTVAIALGEVFIYAARARRDKANLETRSAGR
PWLGTGEFKEAAPAWARGTIIGLPFGVIVPGGSEVPTFLAYSTERALDKRRKDPQFGDKG
AIRGLAAPEAAGNATTGMAMGALLALGLPVSATAAIMLAARFYGIQPGPLLFDRNPFLV
WALLASFFIAMIVLLFINLPFAQLWAKLLIPNHYLYSGIALFCGLGIYATSGAVFDLLM
LLGIGVVALIMRRYGYPLAPLMIGMVLGPLAETSLRDALLSSVGDFFSILVSSPITWSLYA
VLAIFIAVSVITAIRGRKHLTSQLETIDA

>RXN00087 TRANSLATE of: rxn00087.seq check: 6949 from: 1 to: 528
MIGGIIGLILSVIIMAEKLAILEDPGHITSCDFNAVLACGDVMSRSGQANAFGIPNPLIGI
AGFAAVAIIGAGILAGGGFRGWFWFGAQAGLTFFAMFCHWLAYQMSVIRALCPYCMGVW
TVSIIMFVLVTAWNVTFSGSDSTFVNALYKYKWVIAIVWLLLIAAAAVWSFRYMF

>RXN00096 TRANSLATE of: rxn00096.seq check: 1688 from: 1 to: 303
MTNAGDNFEIRMPSGTDDPLSDAEIQKYREEINRLDREILDVAVKRRTKISQTIGKTRMSS
GGTRLVHTREVAIINQFREEIGEGLPALAGILLRMGRKLG

>RXN00097 TRANSLATE of: rxn00097.seq check: 3726 from: 1 to: 1176
MEVPSLFTNFFAVNNPDSPPARQKTKLRELEHRFWEHLPGDDDDHSTAISSLAIVTGLT
KAQVSRISIAFATLADLPKALQKLYHLDLSRLITISNELAGINPDNLGADAILTEY
LTATSPNQILPSPASIGRKIKEIRDLDDARATGSRGTQDDSSFGVTFSPDGTAEIGASV
DAVDGHIINDAVTQHAKNNDLTYGEAFSDILRNNIQKVVLNLYTAKDLANAPVWASGIG
WLDAKTGTFWSEKANKEQMDAAAKISTDKHDPALRDALIGRDGTCRFPGCSVPALKT
QADHRIPIYEEGETCLGGIGCLCQHNNMKTDGRVITYLLDPFSGIIVWLMGDGTWAVSEP
NGPLNPKNARWAQTVAQHRARHHRWVKEDAK

>RXN00114 TRANSLATE of: rxn00114.seq check: 4118 from: 1 to: 489
MKLLKFAAAGTFALALAGCTQTESLVATIESATSAAQASGNDVEGDQTSFELSVEGECFN
DTYEEIESEVP,IVDCAEPHDNEIYYLYDIEGDDFPTDITTTGYEGCLPTFEGFVGAPYET
SIYEVYPMPTPTFGSWTNGDREVCSVYLATGEQMTGTAAGTAQ

>RXN00120 TRANSLATE of: rxn00120.seq check: 1348 from: 1 to: 840
MLIGMSNQTVNQAVSSGVKASPHRFNRFEIKYLITEQDVPALEQLATRMSTDPLSPGG
YRVESLYFDSADLRCTEIKIEGLKFRRLRIRTYGDGVLTPESTVSVEIKQRVNKVTQKR
RLDLPFIYALALGDSTGAAVGEQVDVEKLEISPENQHALLIHEMASFAKNYRLRPIATTK
YHREAFVGADAEESRVTIDHGVSGRDRDFFLLGQDLEDRTVAQGLAVVEIKCDERVPFW
LTDMTAQLEMSVIRMSKYCETIEAFHNRPASAFGAVDPIF

>RXN00128 TRANSLATE of: rxn00128.seq check: 1749 from: 1 to: 1704
VSKISTKLKALTAVLSVTTLVAGCSTLPQNTDPQVLRSGSQSTQEIAGPTPNQDPDLL
IRGFFSAGAYPTQYEAAYLATEGTRSTWNPAASTRILDRIDLNTLPGSTNAERTIAIR
GTQVGTLLSGGVYQPENAEFEAEITMRREDGEWRIDALPDGILLERNDLRNHYTPHDVYF
FDPGQVVLVGDRLWLFNESQSMSTVLMALLVNGPSPAISPGVVNQLSTDASFVGFNDGEY
QFTGLGNLDDDLARLFAAQAVWTLAHADVAGPYTLVADGAPLLSEFPTLTDDDLAEYNPE
AYTNTVSTLQALQDGLSRVSSGNVSPLOGIWGGDIDSAAISSSANVVAVRHENNEAV
LTVGSMEGVTSDALRSETITRPTFEYASSGLWAVVDGETPVRVARSAATTGELVQTEAEIV
LPRDVTGPISFQLSRTGVRAAMIIEGKVYGVVTRPGPGERRVTNITEVAPSLGEAALS
INWRPDGILLVGTSIPETPLWRVEQDGSIAISSMPGNSLAPVAVASSATTVYVTDSDHAM
LQLPTADNDIWRVPGLLGTRAAPVVAY

>RXN00154 TRANSLATE of: rxn00154.seq check: 3981 from: 1 to: 843
MSFSDPYAGNIFGGHSRNKQPEYDPVPAKPLVVEVRGDFVGAVTGTFERTYDGDVFRLE

DRRGRDALYKLRKGAFMIDGQIVNLTRFVEKQAPRKSNSGSRVENAQAKVAAPSRIWVE
GIHDAAIVEKVWGHDLRVEGVVVEYLEGLDNLEERLAEFQPGPGRRIGVLADHLVEGSKE
TRMTKSLPADVAVTGHPYIDIWAAVKPERLGLKAWPEVPYGEDWKTGICKRVGWSDPKEG
WHRVYNAVNSFRDLDTLIGAVERLVDFVTNLDLSKEDVLA

>RXN00162 TRANSLATE of: rxn00162.seq check: 4822 from: 1 to: 354
VSTTTPIHPERKKRVQALTMFSIAAWVTGVFLLALVAEMIMKYIIGMDLPEWARFVPIA
HGWWYIVFLMTTLNLGLKARWNPTRWVTTAAGVVPLLSFFVEHNRKKEVTQTQFQLNS

>RXN00167 TRANSLATE of: rxn00167.seq check: 5803 from: 1 to: 498
MYLLNPPVTEPEILTVNEIPTVVAVFDNHPMNDMPAAFDQTYQVLFPTLGAKGIAPIGPG
FALYTSEPTDVTVSFEVGIPVSQPLEGDVSAASGIVLKNSVVPAGKIARISHIGSFDGLSQ
AWGSFVEALESAGHEIDMPCWEVYVTEPSPDMDPATLQTDLYVLLK

>RXN00171 TRANSLATE of: rxn00171.seq check: 2615 from: 1 to: 258
KDQQKQIHNLAAEVKRLRERDDARDQQLGVLNEAMFSLLDGLDRFRESGDEASFNAALN
YQAVVAPEMFKTVYGVDPSTGEPIPT

>RXN00194 TRANSLATE of: rxn00194.seq check: 2468 from: 1 to: 441
VAGSSHTIEPEIYRGVSTLDEPSAAWGHGLKRNTIQLAGWISVLFMLGYNFGNHKGHVE
TIWLLVITALLVIGLLIHLFEPKLFQVRTITSRNKPVGHVEPDWTDYDQATLTGTWGNLTD
SQLRSVNIEPSRVAHLRAADSAKELDN

>RXN00197 TRANSLATE of: rxn00197.seq check: 7429 from: 1 to: 1212
VAAYLLGVVLFLLGIQVAVTIALHEWGHFITARIFGMKVRRFFIGFGPTVFAKRRGETVYGL
KAIPVGGFCDIAGMTAQDELDPEDLPRAMYLKFWQRIIVLSGGVIMNLIQVFLVLYGVA
VSSGIPNPDVDTTATVDTVQCVPETQISATELSSCVSGSPAGDAGIEHGDKILAVNGQEM
ASFTAIRDAILELPGETATLTIEREGTLFDVDLQVASVTRLASDGSEITVGAVGMSSSLPP
TDVYKKYGPPIEGVGATARFTGDMISATWDGLKAFPAKIPGVVASIFGAERDVESPMVVG
AVRIGGEFVERSMWDMFMMLASLNFLLALFNLVPLPLDGGHIAVVIYEKIRDFFRKLR
GKPAGGPADYTKLMPVTVAVAALLMTVGGLVIVADVNNPIRLFG

>RXN00216 TRANSLATE of: rxn00216.seq check: 8301 from: 1 to: 990
LGAYGLGELPGKSAAEAADIQGETGDLHHPQLPARGLGADLIGRTVGLDMINVDRGA
RSWVMSTRPSRLTHLTGDFLDMDLDACEETWGTGVDKLIQVAGPWTLGARIELANGHRV
LSDRGAMRDLTQALIAGIDAHARKVAGRFAEVQVQIDEPELKSLLIDGSLPGTSTFDIIP
AVNVADASERLQQVFSSIEGPTYNLNLTGQIPTWDVARGAGADTVQISMDQVRGNEHLDGF
GETITSGIRLGLGITTKDQVDELLERPRQKAVEVARFFDRLGVGRNYLVDAVDIHPGED
LVQGTITEAAQAYRMARVMSEMLSKDSCDL

>RXN00222 TRANSLATE of: rxn00222.seq check: 4411 from: 1 to: 1146
MTPTADIWFKDTLAAHFTRDGDQTTFSYATYAGPPIATSLPINSEPVITRSGAIPFFFA
GLLPEGRRLSSLRRNIKASADDELSLLLAVGADPVGAVAIFFPHGENTQPAPPTVDFDDEL
DFAALTESGIADPVALAGVQDKASARTIAPVVASDAILKLSPEYPYLVENEAACYQLL
TKNKLRIELSKVEVLHDKHGRSGLLVHRFDRTPKGKIPVEDAGQVLGIWPAKYLVSIED
IAQALTKVCASPILAMRNLAQIAVAWLSGNDLHAKNISIINKGRGFEISPIYDIPATA
VYGDTTMALEIQGSKKDLQKFLKFCSTISGLPEKTAMSVANAALLATENAAETILASGN
FDTRMNRDLARVLKHRRSAWGA

>RXN00232 TRANSLATE of: rxn00232.seq check: 1106 from: 1 to: 510
MNDRAHQIRIGDIERSQALDRLGSYFADGYLDIDEFDRTRTGAAAIARTAGEIDVLFDTLPE
QQASTAVTPVQDDTEKELDLVLQRGKKLKQIDSAIWAVVMVSFFLGLFVFNVPYFWVFI
LGGAASAGARFLLKVDDADEKLFEELHSKEQSEREARLRIAAQRRRELEQ

>RXN00236 TRANSLATE of: rxn00236.seq check: 116 from: 1 to: 726
MVISFVGWALSFMGTAPIRQLQQIPEDVPPARGVEVPQIDTEADGRTSNHLRFWAEPPIA
QDTGVSAQAIAYGNAELIASTAWPGCNLGWNTLAGIGQVETRHGTNGKMFSGSSLDEN
GVATPPIIGVPLDGSFGFAEIPDTDGGELDGDTEYDRAVGPMQFIPETWRMLMGLDANGDG
VADPNQIDDAALSAANLLCSNDRDLSTPEGWTAHVSYNMSNQYLMVDVRAAASYALRQP
AI

>RXN00242 TRANSLATE of: rxn00242.seq check: 7148 from: 1 to: 1278
VNEWRTVSLVDSTALTVIISVAVFTSAVALLGVVKKRSRWRVLGALISSAVLTSGAWVVI
EKLWKFPDPNPWTIYLSAGLAVFPLLSILFRTGRTRILMATLTVIALVNTAAVINVIYQ
PYPTLGSFNPVPTAVSMYSYADFESQTTAPTMDREVGLVQVPLAGTTDDSTSGFDARDA
YAYIPPAYWDNPSLQLPVLVLMPGNPGQPDQWFSSGNADQTDNDFQATHDGISPIVISVD
GTGSFSGNPACVSDAQSVMTYLSHDVPMLIKQKFRVNQDQRTWTIGGLSYGGTCALQIM
TNHPEAYGSFLDFSGQEEPTLGTROQTVDQLFGGDEDAFKAVNPEDLLNQAISSGAHTYS
GISGRFIAGSNDKSAVSALSHLDNLSNQAGMSTTFDTVAGGHSFQVWRVALANTFDWVAK
RGGQLQV

>RXN00247 TRANSLATE of: rxn00247.seq check: 2491 from: 1 to: 927
MQTLIFIAIAGVAAQLVDGGLGMGFGVTSTTILIMLAGLPAQASAVVHTAEVGTTLVSG
LSHWKFGNVWDKVVVRLGIPGAIGAFAGATFLSNISTEAAAPITSLILALIGMNLVWRFS
KGRIRRDYSDRPHSRGFLGGLGIVGGFVDASGGGGWGPVTTSTLLSLGRTEPRKVVGTVN
TAEFLVSLAATLGFVVGWDDLVANLSAVLALLIGGAIAAPIGAWMISRVNATVLGGFVG
TLIVTLNLPKVLNVVGLDFIPTGLIQVTVLLIGLPLTYLGFRRYRKNLLNETISSEVVSE
PKGQKIKST

>RXN00256 TRANSLATE of: rxn00256.seq check: 519 from: 1 to: 771
MFMSLKTRRIFGALAVLSISFSAIATPAASAQELVVSTSAVNEFGVVTSDITAEQILQA
QDLIAEMKQSEDIYEYFGALSVDVEQRSIIAAVKENPYLIENESPRMRVQSETPDEETPK
KKPSKTYKLYMSILEMMSCINLVDVPSCAQALKAANIAEREAKARYPDSVTNGKGDALRH
CAWSALMTIRIGKDAERIGNAHETVVRGEPEEREMDLINNALGRDIGERFIINGDETGA
LSTCVSMANIGLLHTLL

>RXN00264 TRANSLATE of: rxn00264.seq check: 1681 from: 1 to: 378
LLVDSGDVQLEGVTVEPTQLAYTGINETQLRIRNIGTTPARTVLLGGEPFTEDIVMWWNF
IGRSHEEIAEYRKQWQAEADRFGITHGYISHHKDGLTRLPAPELPNAAIKARKNPAPTAR
PETRID

>RXN00267 TRANSLATE of: rxn00267.seq check: 9930 from: 1 to: 318
MRNSKSGLAFSAAALFCVVAVITRIASSPSFIAIVAIIVAAIALFVGLNSRVGTKLVDQP
VVFTQEIQIDQLKELKSRDQEAARQAQLWSRGSSEAVAEAVRKL

>RXN00271 TRANSLATE of: rxn00271.seq check: 7582 from: 1 to: 990
MFSSRSKVLASIFTVGALALASCSSSDSSDSSTSTDAAGGDSYRVGINQLVQHPALDAATT
GEKEAFEEAGVDVTFDEQNANGEQGTALTISQQFASDNLDLVAVATPAAQATAQNITDI
PVLFTAVTDAVSAELVDSNEAPGGNVGTGTSDIAPIEQQLELLOQLVPDAKSIGIVYASGE
VNSQVQVDEVTKAAEPLGLSVNTQTVTTVNEIIQQAVALGDVDVIYVPTDNMVMVSGISSL
VQVAEQKQIPVIGAESGTVEGGALATLGIDYTELGRQTGEMALRILQDGEDPATMPVETA
TEFTYVINEDAAERQGVETPQEIILDKAERV

>RXN00272 TRANSLATE of: rxn00272.seq check: 8098 from: 1 to: 372
MPEPETSTMGSIQKSGEWLVPAAYSAYKLNGADLFLDIRHATAAAPVITFDVNMTMGSMTL
IVPPGVYVEVQMASKNWSDFKVQTTNPLPGAPRVFITGVARASGLKVFTKHPHEPFGFWQ
KMFE

>RXN00283 TRANSLATE of: rxn00283.seq check: 5995 from: 1 to: 1032
VASATASDLSHLSTCCSSSGRSASPSSPGLAPSWLTGELFAQFTSTDGNAIIAASGGGA
IGPQALFDASVRTFLISPALLLVAVVAVFFAYRRRDPEPIIPLALIGSVVFFQIITYSLG
STFGLLRFFLTALPLTIILLFQIIPPRHRFPRLPGACYRDRVTGKYVPKTTITGVLVLA
FGGTGITLYGMSSANWAPQEYAIQELVFNMGSPSQDAVHTLNTFSTEMDVADFVDSLNLG
DGEVLLSTTYGFAVLTAANNQKQFIIPSEDEFITTLNEPAEHGVKYILALPREGRGATDP
INLRYPDMYETGSHIATMEIEFINQGGQPNWRLYRVLTTPEQS

>RXN00334 TRANSLATE of: rxn00334.seq check: 4035 from: 1 to: 336
MAKLDNDVQIETVNVVSFEAGGRTNWHTHPVGQNIIVLSGLGIYEAEGEPARLLEPGDVVF
AAAGVRHWHGAVSGAPMFHVVNVLKIGIDGETVDWEEPVDEEHYRSVSAELQR

>RXN00338 TRANSLATE of: rxn00338.seq check: 9343 from: 1 to: 1140
VSDVTVGDIRRILDEAYPPALAESWDKVGGLICGDPTESVKRVGLALDCTQAVADKAVDMG

LDMLIIHHPLLLRGVTSVAADEPKGKVIHTLIRGGVALFSAHTNADSARPGVNDKLAELV
GITAGRPIATRLLGGMDKWGVHVLPKDAAYLKMLFDAGAGAIGDYRECAFEIEGTGQFR
PVEGANPAEGDVDFKFSLELRIEFVAPRNLRLRLTSVLREAHFYEPAFDIVEMHSAES
LENATGLGRVGEPEPMLADVFVQVANNLPVTEWGVVRATGDEQMVSRVAVSSGSDSF
LNDVIKLGVDVYVTSDLRHHPVDEYLREGGPAVIDTAHWASEFPWTSQAQEILQDKAPQV
EVDVISIRTPWTMSARAVN

>RXN00342 TRANSLATE of: rxn00342.seq check: 3222 from: 1 to: 429
VADAPGAVKQGAQDYAQLLGTQSGHIVQEIGWDESDTLISESIEDAIGEELLDEETDEL
CDVLLWVREDDGDLVDGLVDSIRSLAENGRIWVLTGIGKEGALAPGVISESAQLAGLV
QTKAERLGNWQGSCLVQRGNKKP

>RXN00344 TRANSLATE of: rxn00344.seq check: 1354 from: 1 to: 879
VDLSTWLSDTQYLISVDFVQHALIASALLGLLSGVIAPLIVVRQQSFAVHGTAELALMGA
AAALLFGLNVGGGAVIGSVVAAILLALLGMKQQDSAVGAVMSFGLGLSVLFHLYPGRSS
TAFSLTGTQIVGVSSSSWLILVAVTVIVVS AVVIFWRPLLFAADPIMAQASGVNVRFA
VAFVAVLVGLTTSQSVQIVGALLVMALLITPGAAAVAVTANPVKAVVLAVIFAEVSAVGGL
LLSLAPGLPVSVFVTTISFVIYLVCRLLIGWLRGRGAQRDEDAYRRRQHDHHPH

>RXN00353 TRANSLATE of: rxn00353.seq check: 5475 from: 1 to: 693
VGRSFTNRTFDPLPFMVVYPDGVDQHWNDARLGLDENTRHLGIDDVGFVKLATHLGNTY
GIKRIFIVGYSNGGQMVLRMLHEVPKMLSGAATIASNMPVAENTLPQVKTFKTHPVYLA
MAGTADTFSPYEGGDAGIGREHRRGVGMSAFDSAAYIAARNGLTEHRHDVIDDVVSIDTW
DGENPVEFWTLNGIGHLVPSGKTYPEFLGPSTTSVIAAEEIGKFFDGVRRR

>RXN00354 TRANSLATE of: rxn00354.seq check: 80 from: 1 to: 813
MGKLLFVDIGGTLDDYSNEVPRSAVDAIRKARAKGHRVYLSSGRSSAEVTSQWLDIGVDG
LIGANGGYVESAEQSVFHRRLSGEETHRIVEWLYNRGLEFYLESNNGLYASRGFREASKP
VLSRLSEKTDVTVDSMYPDMFWGASLDRDDVNKISYIFNSQEDLDAAREAFPNEHTTWG
GQTGALFGTIGVSVNKKIGVDRLLKYLNADRANTIAFGDSEDLSEFEASAYGVAMGEAT
ESLAAAADLVTDVAVGQDGLRNAFLKLELIDA

>RXN00362 TRANSLATE of: rxn00362.seq check: 1707 from: 1 to: 1347
MGIIALLVFIAIAVILNVFLKRDISEALLVGLVGTALVGGVNAPTLLIDAVVDAAQSEVT
FAGMAFVFMGIVVQSTGLIDRLIAILNSIFGRLRGGAGYVSTLGSALIGLIAGSTAGNSA
TVGSVTIPWMKKTGWTAERSATLVAGNSGLGVALPPNSTMFIIILALPAAAASSASQVYIA
LACGGAYAVLYRLAVVFYWTRKDKIPATPDDQVRSFGEAMKTGWRSPILIFLGILIPVILT
IGPLSEWLKTHGVGESGVKSMSSIIVWVPILITAIALIEGRKRIANNMAHFRVQISKDLPQ
FATVGISLFSALAAANIMEELGVGPQLSNWLDSDMLPKSVMVIVCICMCIIVVATPLSSTA
TAAAI GAPAVAALA AVGIDPTVAIVVILLCTSTEGASPPVGAPIYLSAAIADANPTKMFV
PLITYFVVP MILLAWLVGMGFLPVIVPTG

>RXN00373 TRANSLATE of: rxn00373.seq check: 1756 from: 1 to: 339
MDIQQLDAETTAWKDSLRAAQEAGFHFEPPKLFEDFETMVEQYKQAAASDPDIDVTIQ
QMWGIVVGEYLRKMGMEWVITDDYGTDLAILATAPNGDHVYSCPIIVVGKR

>RXN00390 TRANSLATE of: rxn00390.seq check: 7582 from: 1 to: 405
MSTTREIAFLIARILLGVILIAHGWDKFAITGLEGTGFFDSLGI PAAGIAAIAAAVVEL
LGGILIIILGVFTRIVAAFAIDMLFAALFAHVSSGIFVTNNGWELTGAIGAGALLLI AVG
ASAWSIDGV LAKRKA

>RXN00399 TRANSLATE of: rxn00399.seq check: 2271 from: 1 to: 315
MSHNDSPNFARRALNWL RQGYPTGVPRHDTFALFYVLERELTEEDLNELAE LLIAEGENN
GLHDNPITREKIGKLITHVHSQPPEDEDIDRIQKQLQAEGFPTRN

>RXN00416 TRANSLATE of: rxn00416.seq check: 8529 from: 1 to: 1650
LASYLSPTALVVAVLAIPLSATRLYLDGISVDQGFRTQFLTRMADDIGLSDMN YIDMPTF
YPAGFWLGGRLANLLGLPGWEAFQPAIVSMAVAASVLVPVWQRITGSLPVATGIALVT
TCIILAMNSEEPYAAIVAMGIPAMLVLASRIAKGDKFALAGGIIYLGVSATFYTLFTGAI
ALS AVAVCIVVAAIVQRSIKPLLWLAVLGGGSIVIALISWGPYLLASINGAERSGDSATH
YLPLEGTQFPVPFLASSVVG LCLVGLIYLVVRFHNNNEVRAMWVGIAV FYAWMGMSMAIT

LLGNTLLGFERLDTVLVLFATAGVLGIADFRLASVYQLYPTQITERTATHLTNLIVVLVL
LGGLYYAQDLPQKNARAILDAYTDTGGERADLYPAGAAARYYKDINDHLLDQGFEPSET
VVLTDDELDFMSYYPYRGYQAFSTSHYANPLGEFGNRNAFIEDLAIRSWDELADPQQFSDAL
NTSPWTIPEVFIFRGSIDDPDAGWKYDVAEDLYPNNPNVRFRGVYFNPESFDQMWQTKQV
GPFVVVTHNE

>RXN00422 TRANSLATE of: rxn00422.seq check: 3762 from: 1 to: 894
MPTNYARDNVISLASAREQSRGKPEPKPELTIVRATNVQADGEVHRQIGLNSAMSLDEL
HNVLNIVFVGGEQSPWRFEDQFHQPSAPDTNLGELLPEPGDFLFYFWGLWQFNLQCVEM
YPRDNGTPRALCIGSGGLGDDFDQATINAELTGDTIRDLVSGVRPEVIDLVDRTGVFD
FIPLQLALDLKREPLIDATRYHTCRTLPVENSASDAFWSCVLALSCLGNDELFIETIE
STMSTLGWVADDGSPRAPEITSACEASLKILAEELGGYGPRLAPVDRLDIYRELLCF

>RXN00447 TRANSLATE of: rxn00447.seq check: 3535 from: 1 to: 420
MLGSLWRFVAVRTAAGAVALLVVIKIDIGISLSFPTTPLYQDQHDNLLTFLAVAAIIIVL
NATVKPVLKLLGLPLTIITLGLFSLVINAVIMLLAEYVSDLIGFGLRIETFGAAFVGAIV
LALVNWVLGPITGLLGAKKD

>RXN00455 TRANSLATE of: rxn00455.seq check: 9756 from: 1 to: 750
MVVDVQNQSHTPETQPQPGQGAACKTPVASGNSTFIHIQPSLYPILLALFVAVFLISNIT
ATKGEVIGPLVTDGAFFLFPISYVLGDVLAECYGFKSTRRAILTGFGITMLAALSFIYISI
WLPGASFWEQEAFAEATLGLVPQIIIVASLAGYIVGQLLNAKVLVAIKKRTGEKSLWARLI
GSTVVGEFVDTLLFCAIAAPVIGIATAPDFINVVVGVFWKTLLEVLIMPITYAVIRWVK
RREGYETFDA

>RXN00473 TRANSLATE of: rxn00473.seq check: 5144 from: 1 to: 789
MSGTGVRKLWGDGTPVSLPDLGSLRAERIDALRSRMSTMGAAPVKFEPVSVEESAEQKQD
SLAEKQDIVAVPSAFSDLPFGDGLPRRAVTQLVEQPLVVVDVFLAHITAQGGHAAVIGWKD
LAYAGVIDSGGVCENIIAIPNPGTEPLNVAAVLCEGLDVVVYKGPESLSPTRARPLLGK
LRQGTAAALVMVGTKVSSPALSVDAEITDYVGIGAGSGRIRGVEMQVRAVSKTHGVRSGKV
LISRPQDAALLEPEQPTTLRAVP

>RXN00485 TRANSLATE of: rxn00485.seq check: 6436 from: 1 to: 2295
VSSVNDLFAKPYENADLVVTVSAKNEDSFAAFEQQLATTPGVEALAFDQNFASVKQSDG
IYASTSVQSISEGPLQWRPILLEGRLPQGPGEIAVTTAPGAPEVGEHVSIRLSQNTEDTEV
LVVGVVEPAAQETLGGAPFVVASPDALMEWNSSGVRGEFRVATSDPASLEAASFSDATVV
VASAEGHVDKLADSYLGQRDRYFLLLAFAVAVAAVAFVLFVSAYSVLTERGVRREFGLIR
SVGASTPQILGSVIFEAGILGVVAAAGFGAPAGLMAARLLADNAARFGIRVPIDVIDLPSS
TMWLIAGVGVMVSVIAALPAVFSVCRKSAVESLSTPAISRTSPWFGALWLLLAGIVGAGG
MWAYEATSDYRGMRSVALSIAGSGALVCALLIATAVLVPWLLHVFSTRIVGGTVPTLQGLL
AFAAKQKRSRAALIAVILAGSALSSAVLHGQAHIGHLVAVAKGMGGTDMMTALDGEIP
AGMLEEISSIDGVKTAIAPATTAVELEDSSGNFVLMMLAEEDGASVMRAGDTGAPAGGLVL
GRNSPDQDAYPAGQAANIIVADTPQAEIFHSDNYFSMIDPALATGPSTTRNVLLILDGD
SNQAPDNATAQAVRKTISLFDGRYSITEGFSARQNTFELVSRITTMSTLLAIVALAIAAV
GLINTVALTISERARDRYLLRTIGLTSTGQILVMAIEMIALSLPAAIVGAVSGGFLGRFV
ASSATNTAATAPLQVDILGGTVLAMVAGSVLCALIVLANKRRRVV

>RXN00496 TRANSLATE of: rxn00496.seq check: 7171 from: 1 to: 1026
MTRRLHGGEQDQGEHVKGQLKQLFDDDAFLTDLSRGVDPSEGDDALAGLLDLTKEAQEP
PATMPDWSTLLPGILDQDQDLPVESTSDTTVMQASNPATQEFAPVSISDTPNTATNSADA
DESATVVPLAARREKRAKSGSSGVHSLDASATQRKSHFPLSGLVGAAAATLVIAGGGAIV
YNADENSPLYGMNQQLFGNQDPSVVELASTLEEVDSTASGDVEGARALLEQARAMLDG
MAPPRKAPSEATRTVESEPGTQTLTATVTESASPEPPVTETQTVTSTEVQTVTTTAVAPP
VWTPNPEPTTTAAPTSTPSTGGGEGTGNDGDSGLVPPQTPGN

>RXN00503 TRANSLATE of: rxn00503.seq check: 5802 from: 1 to: 1722
MKPVFSVDQIRRAENTLFEQLADPDELMISAASAVADVALAMVDGPAPAVSSEESILLLV
GPGNGGDALYAGAFIAEEGHHVDALLGNGKVHQSALAYYESLGGQIISDFPPHYLYRL
VIDGLFGIGGRGGLTPELASLVESFSASGIPILAIIDVPSGVHADSGELPPGVMVTVEGFD
NDAPMARQKIPAHIDADVTITFGGLRRHAVSPACGEVLCADINIAGGGGKSLSAELSQV
QAEDATPQMFASKAYQRKDSLFRANLKAAPHIHRIGQHFVTLNMEPGPDHDKYSGGIV

GIVAGSGTYPGAAVLSVKA AVRATSAMVRYVGPALNFV IQSLPEVVATQSLATAGRVQAW
VHGPGRGLEAEQSAELAE LLSRPEPV LIDADSLSLQLSAELRQALRERKAPT VLT PHKG
EFERIAAELRSEGVEIPQADKDP IGAALAKEFDCCVLLKGKYTVIAAHDFVHAINAGH
SWLATPGSGDVL SGLVG AHLAQSYAELNRLPEFFPDVTLSDSAIYTQIAPAATI HAVAAG
LAARTEFGFAPTSASLIADAI PAATAKV D LKRIV

>RXN00504 TRANSLATE of: rxn00504.seq check: 4338 from: 1 to: 420
MTYGFLVNTDLTHRAIDFDLENAAKFLGGADDGRVAVAFQEDGTLYAALYSASAKDEGAA
ANPVASLGRNAAATGDGSFFSDPTTAICGPVIFVGAEGEDITLDETERIKDGIRAAARNYR
DDYPEEFNLWRNAVYNLRTA

>RXN00505 TRANSLATE of: rxn00505.seq check: 7863 from: 1 to: 495
MKSEFPVSGTRRFEHAADTQNFGEELGRHLEAGDVVILDGPLGAGKTTFTQGIARGLQVK
GRVTSPTFVIAREHRSEIGGPDLIHMDAYRLLEDSEADADPIGALDSDLDTDLDLAVVV
AEWGGGLVEQIADSYLLITIDRETAVQEDPESEARIFHWEWREGR

>RXN00507 TRANSLATE of: rxn00507.seq check: 8687 from: 1 to: 855
VAENLNKHL SKLSKRGPHRVLVGDMNYAGIPGKIYTPAEGDGIPGVAFGHDMKSIKYYH
QTLRHLASWGI AVAAPDTENG FMPDHKG FASDLESSIQILGGVKLGSGNVTVNPACLG VV
GHGMGAGAAVLSAANRDLVRAVGAIYPAKTSPSAIDAAFAVKAPGLVIGSSSSLGLFESGE
PAKLAANWAGDV CYRESEKGNQQGFSEDTMFKLVAGIGSPQTGAQETVRGLLTGFLHQL
AGEKKYKAFSEPD AEAKKVVS YFGQELQEHAFPKDTSPPFAFLNEK

>RXN00510 TRANSLATE of: rxn00510.seq check: 4920 from: 1 to: 1509
VNDPLAGYGAVISALQGASGGMYRGP AKSEGQLREMYQTIEGLDTSSLREAAEAAVGGTN
EARIQGWVG PLLKFFGT VGGGM IATEIA ERAVDWFKNRNDVEEVSEAADKAADAIDSTVT
ESDQGMHIIQQLLDIVSTLTQILGSM DRGKFPQEFRDCVQTGADLIDQAGDMLEGLCAD
RDDAISQCFSALTDHGKQVCETEPKPLCSAASGGSSGGATSSAAASSGGSSSSSTASSGSS
GGSSSAADSSTSTNAESSVEKEKTTAAVEKPDEKPVEKPVEKTPEKPVEKPVEKQCECE
KPDPDPEKCKTEPVECEPTPKPETEPEPKPTPTPTPGTPTPIPELETEDCEPGKETGTD
ESESECAPELNDVPEESDLIGQLIKGAIGIGIVVVGVLNLFLEQCVPIEEVPVPEP
EPIPEPAPQPEPTSVKPPPESELDKVAEPAPKPI PQANYTAAATNY SAPAHAPVVPITPA
APEVPAAPEVPAPAVNLHKAGGW

>RXN00515 TRANSLATE of: rxn00515.seq check: 5675 from: 1 to: 702
MRFSRVL PALLITTAVSIPTASAATLTADTDKELCIASNTDDSAVVTFWNSIEDSVREQR
LDELDAQDPGIKAAIESYIAQDDNAPTAAELQVRLDAIESGEGLAMLLPDDPTLADPNAE
ESFKTEYTYDEAKDIISGFSSDPASDVLSQLQQAATTGTRTAEIRAEVFADRTDDYNESQ
TALKEDFQNCIDAIDDARPIPLQYILIGGAIALAVIVLGIRAWTNSRKQSKHSQ

>RXN00527 TRANSLATE of: rxn00527.seq check: 7113 from: 1 to: 1764
VIATSDVREISSEGIVARVSVNGNIEAARTTTIYTS LTVPVANLPVAVGDRVAADQVLAE
LDASALQRQLDET DANNARAAMANRNSIAQSQQAYEQSRELLDSGLSPEINSARSSLRAS
SQAYQDAIRSFEAKQRDVGGLDSTMVAQSDALKAAREQADAAEIERLRADFGLLNDRS
NLNDVIGLLDERESLASAESELAQARAAGDLEAVAAAEAKVAGLEQSIASKTSTWPSQDQ
TYLQSYTALEEAERRVASTTEALEIAERIYIDSLGKVDSELAAAQRAVAEAEHSAQQDAAL
GLETAQLSTQHOLEAQSSAIDAAALGLASVDNEAATRSTSQLRMDINNTTVRSPSYSGIVSS
VQAAQQQPAAGALLSVADDSELKITANVKEAEISNVTIGSRVFTTPTSTGTKEFAGRVSK
VSPIAAAAAPATGEGAAAGATTNTDVT FPIEISVTGDREGLNLGGSARVRIVHEIAPH
VLTVPLEAVYKNDGKDAVLIISDDNKVEEVEVKTAESDDFDIAVSGAGISEDARVLTQP
GNRYRLIGETVKLHADTVEQAAAPFSPAAPFDPAAPAVSAKQTVGQVI

>RXN00547 TRANSLATE of: rxn00547.seq check: 6032 from: 1 to: 1398
VARDFINAIGGRFGRFAQVGTQRFWTP LRVLTITSLVFLAMGFLTKANCIQSGRGTG DVV
SLNWSGSRQYTSACYNDIVPLYGGRGIDAPGFPYAFSWQEGDLTRYMEYPVLGGIFQWIC
GIITRFLYPVVDVIPFHTLPESGLYFIVTALALAFFWVLVIRMMVELTGNRVWDTVLVAA
SPLVAVHAFTNWDTPAIAAVIGAMLAVKRG NPLVAGVLIGAGTAFKLWPLYLLGAYLVLA
VKNKNLKPFI TMAAAA AVTWLVNVVPVMIAYPKAWNEFLRLNRERGAEWTTIYQVIDRNL
PINLNDPVLLNVLSFGLFGASCVAIILGLKVQRTPRVAELAF LIVA A FLLFNKVWSPQY
SLWLVP LAVLAFPPQWKVLFPMVTDAMVWPILMWHMLGTDNKGLPHEMLDLIVISRDAFI
VVMIVGVIRQMLGRRADPVMDAHAGRDLLAGPFGAGERRKALKEVS

>RXN00552 TRANSLATE of: rxn00552.seq check: 471 from: 1 to: 936
 VATSKILLYYAFTPLSDPKAVQLWQRELCESLNLRGRILISTHGINGTVGGDIDDCKAYI
 KKTREYPGFNRMQFKWSEGAEDFPKLSVKVRDEIVAFGAPDELKVDENGVVGGGVHLKP
 QQVNELVEARGDEVVFFDGRNAMEAQIGKFKDAVVPDVETTHDFIAEIESGKYDDLKDKP
 VVTYCTGGIRCEILSSLMINRGFKVEVYQIDGGIVRYGEQFGNKGLWEGSLYVFDKRMHME
 FGEDYKEVGHCIHCDTPTNKFEHCLNEDDCRELVLMPDCFCANVETRHCKRERCAAIAAD
 FAEQGIDPLVTS

>RXN00555 TRANSLATE of: rxn00555.seq check: 6336 from: 1 to: 939
 MKQPLRVLISCRPEENSGGKRSEQNDVFEFAAWLARTSDINVRGITTFIRPWPSSSISK
 LGGKYHKWYKNLDSYYSRTIKGLKEAGVEKSQWDDDVSVFVDGPSESTLLTHAAEEFEA
 DLILLGSDATAPKGRFLASSTADALLHSSPVPLGLVPRGVKLSKKGVTRVNYAFTNESDD
 FEQGLRSSAELATNWNVPLRILAFSPTGITSAPTSRSLDISTELSSEWRELTAMLDRAR
 DGVLTDPNLSVSSETGSGWGWGAIDALRWKKGDLICMGSHRTDTLSRVFVGSETMEII
 RNSPVPTIIYPGL

>RXN00560 TRANSLATE of: rxn00560.seq check: 5757 from: 1 to: 375
 MRIDPLETRQAVLAVKDWIEGEGDVKKPGRAALAAATRLSVRLLAQHAPGNSVEVRVPPF
 VAVQCIEGPKHTRGTPPNVETDAKTWLRLAPGQTTFDAEFESGKISASGTRAKEIADWL
 PVVKL

>RXN00574 TRANSLATE of: rxn00574.seq check: 6894 from: 1 to: 879
 MSFKVISTGPPQAIQDRGRFGFASAGVGTSGSFDRLSAARANHALGNDPNATVVEILLGG
 FEVEALHTTSIVFTGTEAEVMVRTAGGQSKNATNTIIDVAAGERIRVEPATYGMRAYFA
 ARGGFVAVKKTLSASTDLISHMGPCPIEPGDVIDVATDIADSQWWPKLRQLPTLWKRMPT
 ETLTVIRGPRDKWFTQESLNNFFTQVFTVSNDSNRIGLRMHSSSEPIQHRVEGELKSEGMV
 RGSIQIPPGGNPVVFGPDHPVTGGYPVIAVLTSRSCDRSAQLLPQDKVRFKLL

>RXN00589 TRANSLATE of: rxn00589.seq check: 4154 from: 1 to: 450
 MTTLSRKFFVSATTALAAVALVACSPNEIDSELKVPTATGVSLPSKNVSATSTATTTDEDA
 PGYIDCVAAPTQQPAEISLNCAMDIDRLTDISWSEWDTDSATGTGTRIVTAANGQETETE
 DIEVKLSFPTESSQGLVFTQVTVDGQVLFL

>RXN00616 TRANSLATE of: rxn00616.seq check: 2419 from: 1 to: 345
 MKSLPRFAPLITILALLVLVAIGGSALANNRATPNVESEPATVNQRSTPTTSAYEPPATE
 SPEEPTTIQIESPVQPPVPAPAQIPQAPQVPLNYQYYDDDDWDDDDDFDDWDDDD

>RXN00647 TRANSLATE of: rxn00647.seq check: 2211 from: 1 to: 633
 MGIFEAIRAARAKTKAEIKAAEAKVKTEAKNKAKLDLKREKLLVQKEKNLLKVEEKGLKK
 RNKHELMKAKNILEQKRQGRNLNKDKVKRWAGTARVLTPLLLPIIYRLSTEARDQVVKGRA
 RRAGVTAEQLSQFAGHAAALKARIQGVRETAKNSSLPAGFVRDVEERLNELEAAANNSEF
 MSPQQRNRAHQSI SRDLNQVSDQIQDRLLDK

>RXN00653 TRANSLATE of: rxn00653.seq check: 8269 from: 1 to: 765
 VSVSQVVGIEILLTVGILALLFAYYEAYWTNVESEGKLQESAGQKLDDEDWNEARVNPRQKLT
 PELGEAFARMYVPAFGSDFNFAVIEGTDEEDLLAGPGRYVDSQMPGEAGNFVAVAGHRVGK
 GAPFNDLGNLEVCDAIVVETYNWDVYRVMPMSTNGADRAEAADCFNENQVSRMAEGDY
 VNVSGRSITTPDRIDATYPTPGVFDTAVREGSEALLTLTTCHPQFSNAERMIVHAMLVEE
 IDKSSGERPAALEEN

>RXN00662 TRANSLATE of: rxn00662.seq check: 7679 from: 1 to: 1269
 VSTIPLNRLAVIAAIIIGVGTGLFVAALNWSAIGVERLVYGADHLHNYNPVANVSPLRLSI
 TVIVLSVVASWAWFFVHRTGPKESIVGAIRGEKMPILETIASAFLQVTTVAAGAPVGAE
 NAPRIAGALVGERFSRWLQLDIDAKRILVASAAGAGLGASFHLPLAGVLFLEVLVLEAS
 TRTVVIAIIITTTAAVATTGFFVQTPDVFSTVPLTESPWMLLAAMVTGVVAGMCGHWFSAA
 AHKMAQASPKGVKILWQMLPGFVVIAAVIYFFPETLANPRWLADSMGLDGLILSTILLVL
 VLRTAMFLLAFRVGMVGGNLI PAFALGSMVGGVVGAVLEPITNVPIAFAALLGAAAFST
 TMAAPLFGLIAAVEFTDMEAQGYLPIFLAVASAVLAVRVWSVIAKHELRAIPITYASWTG
 ELK

>RXN00666 TRANSLATE of: rxn00666.seq check: 5076 from: 1 to: 915
MTAGEAIAHSVRAAQIAEEHNYAREFWVAEHHNSEGLASSATLLMGHIAGHTSRIRVGS
GIMPNHSALHVAEELGTLEAIYPGRIEAGLGRAPGTDPMTARELGRASSLVDDVLSTIV
SLQNYLDTPEERPNIIAHPGINSRVPLFMLGSSLNGAAMAALDLPFAFASHFAPFQMG
AIASYRELAANPYVMAAANVLVCDTEEEAEFQISTLHQMFAGIVTNSRGKLAPPVRNLKD
KLDPMIWKHIEDSLEMTFIGTAESVVLQLQEFADRYKLDEIITVTYSYDPEVRFRSIAAL
GTAWN

>RXN00704 TRANSLATE of: rxn00704.seq check: 5954 from: 1 to: 627
LTITFSRVALTTLAVTATTLSTAANAQSSLLDKTLDARQCIDADNVWVSVDYDADSEK
EPEGACATEFTDGVVALESAGFKLTDESEMKGMTGINGVVPDWVETGTYSYSSGEVA
DDYSVDYTYEYGASNSEPEGGTVEAWVVGTEETPALETLPETPAATGSSEDGGWIAVI
AGLLALIGGGVAALYQGLITIPGLVLPKF

>RXN00712 TRANSLATE of: rxn00712.seq check: 8070 from: 1 to: 696
MSLRKNLALGSSTVLLTAVLSGCVSLDERSTDTSTENVTTVTATLTSTAAAEPTTRTTVQ
SATEASTTAPVQCNDPRTSDFGPYLAQSRTPVGELAGSADSVVQVPDWFYHFQMGDNGY
DSCSKLSYVVLNGSNGDAERSTGTGAADIADVVLFDIGHMVARPAPFEMKTVESVTRVSD
SEIQVVGHGAGRSTAEVTDYFTFNFFVDNGVLSGRGDLPEHIDTHMRLLYLL

>RXN00720 TRANSLATE of: rxn00720.seq check: 5001 from: 1 to: 666
MASPRRPQVAAPRIKELRLTGLDNADPDQIESNEQIESCRFNEAELSERDLSGAGFIECE
FLGLEAHETELRRAQFVETRIERANAPSFKAARSIWRNATISDSRFGAVEMYEATVQALK
ISDSKLSFVNLRGASLRDVLFCNCVIDELDLGQARAERIAFKDCTVHSLTFDHAVALSNVD
LRGLDIERISGVESMSGTVISSLQAADLSGAFARHLGITVND

>RXN00722 TRANSLATE of: rxn00722.seq check: 460 from: 1 to: 1065
AVLREAGVVDAGGQGLVILLESIAEQINGNPPHPSHHSEPAEPPSFHGKTGDLEVMFYI
ACDSAQTLDALHNELETGLDSSLIARETNRGTVHIHSRRAGEVIQKAFAAGDVSELRL
ILPDTSGSFTEEPRLVMAVAPDGLVAELYSAGVKVVARNIAQSKSDDVVAKIVSIARK
SGADEVILLPNGLLTKRELVSIERSSHAFEQSVVILPTATLVAGLAASVHEPAQPLAVD
SYAMAEAGSMRTATIRAATSAALTQAGACSKGDLISFIGPEIALVSEELNDALSRTALR
LLDGSSEQITLLIAQDRQSAFDEDVFRRLGLGTHTDVEITVYPATGMENLVEIGVE

>RXN00729 TRANSLATE of: rxn00729.seq check: 9733 from: 1 to: 978
MSATNPDALDVQHVYPIKTKTPLAVIFNIISGGLIGMAELVPGISGGTVALVLGIYERA
LHNGDLLIDLIKVLIKDRSKVKEAAKIDWFLGAIGVGMVVMVFSMSSILHTVVEDYPE
ITRGLFLGMVAVSILVPLGMMMDRAKKRLAIVIPLFIIICAMLGFFGTSFTSAPRTDPSL
IFVFICAIAVCAVLPVPGVSGSFLLAVGMYAPIMESLSNRDLSVIGVFLLGALTGVILF
VKVLSYVLEHRTITLTIMAGLMLGSLRALWPWQGDANLLAPGDNAVMIIFSIIILGGAI
VAALMFAERVSSKNIDSETVAEEHPR

>RXN00730 TRANSLATE of: rxn00730.seq check: 2858 from: 1 to: 807
MSSQQTIFIILLFAAVILISIVMITAAFKTRKKRFAARAEGMANPTIPAPTVPWQRFAGA
LAALYARPEWHKTRGAKRVYSAEQTYFGFVSAMPLGMVQNMLQTDWGVKKSEHAVDQLSK
GVEVIVGVAAGNWRKNGVSPAQVEEAGQRLAAEGLAHPHFVVFQKQLQQADPNAYDLDV
LAFDIARVANLLRWAAAYTDLLLPAEARWFQDQLGIAAAVSFGSWEYGERYVRGLQKNFK
GGNKPYIEGERWLNTEAESPWKTQKWISA

>RXN00731 TRANSLATE of: rxn00731.seq check: 8578 from: 1 to: 2496
MKDASQSYLLFGLRWLGRSLRFAPLSLLMIVVMRGLREVFGAEDPANSSLVDNLGLTLPW
SLNDPHFLTAGFSASTTTAALMSTLWIIIVFVPSERILGSLKFAITAALIHITSIPLGIG
IAHLIEEADLNWRGNMNLADVLLTPDFVWFGVAAAFASASMPLLWRRRRLFLFTITLTL
LYTGTLADVTMLTATIIGTVAGELNRHRKTPGGRWLPGSLTVREARIMTAILVTAVAAGP
VLAALNPLTHGPFSSATKLIWQPLVTEEHMHHLCHTDSTSDACQGALDQLQQHGVGPSVA
NLIPLILTIVVLAMGLSRGRLAWILAVLAQLISIAVLMFQLTKLSADSTDLLWSVNAFSV
IVPWLVALAVLVFSRRAFQVKIDTTRISKSLGALMVTWLATAALWILATLFLPHAFHHP
TLGLAFKELPFRYLPPTIETVLSHQLFPRSPAGWAVFEWTGTLFWLVVAATLYHLLMGVP
SNKAHEDQENAAATLLRSGSGDHLWSMTIWWGNTYWWAPENAGYVAYRVKRGIAITLGEPI
LGPDSVSKAEALAAQFEFASNQGWIVAWYSVCEEFSKERINAGHHTLRVAEEAVLSSAN
ADFKGKHFNQNVRTARNRAAKEGVSSIWTTWADLSAEMQHKIITLSEEWVSDKALPEMGFT

LGTVNELSDPDYLLLAIDEEHLHGVTSWLPVYEKGRIVGYTLDVMRRDPQGFKSVIEF
LISEAVVIARDHDLWMSGAPLSTPPGVADDGTIGQILELLGRAMEPFYGFRLAASK
NKFHPEHHGWLYCYRDELSLPSIGLAVAACYLNEFLPNWLKKTATSAPSHS

>RXN00738 TRANSLATE of: rxn00738.seq check: 6764 from: 1 to: 363
CQEETDGFDFGRDMRPGERRSYGTLNDATTQVSHILGNAFTRSGLNAEYANLYGQALV
GMVSMTAQWWLDERTPPKEEVAHIVNLCWNGLTGMEADPKLTPISSAEGAIFGQEKES
A

>RXN00750 TRANSLATE of: rxn00750.seq check: 8593 from: 1 to: 438
MDWSIIINVLAATVVTILIIAAALYRGFTRNKIKKLEAIREAQQHERDNPTIRIADLR
GIMDTHHYIYTDVMVTRAHELMITAPAFFDVTLPYEDTKRAAHDALNGYKDTTAS
AEKIMLVDAVTAAWTLYSTKANTGST

>RXN00762 TRANSLATE of: rxn00762.seq check: 9427 from: 1 to: 876
MNTSDRIKSTQIALDRDLREQALLLKEVRAVDGVDALSEQFVRGLAEPGLVHSHLIVTL
NSELVGLAAADEETTELAVHPAHRQGGIGKALIDAAPTSSIAHAGNTAGALASTLRMK
KTRELLVMEISDRALDDSAAYKDPDGITHSSLANAPVEKSVAEAKWLQSNNEAFDWHPEQ
GGWTTTHRLAQQAQKADWYKDSVLFWDGEEIVGFHWVKQHSPELQEIYVVLSSAYRGRG
LGDPLVRLGLHHMRAHGARKVILYVEAGNTPAVAAEYKLGFTVAESHVVYEK

>RXN00768 TRANSLATE of: rxn00768.seq check: 4486 from: 1 to: 1119
VGTIEDVANEQIEVANNTDQIPAGYKSPLLSRSGAAEAQGAAGTEGVAVHYGSPLVE
QRIFETGTGLVDRSNRKVIKVEGPDAPTFLNNILSQKVDSVENGFTAGALDLDAQGRIQH
TMQVTVVDGVFYLDTSAAEFDTLIGFLTMIWFSEVTVQEADLAIITLLGQEIAPDAVF
ARRVDWNGPSRIDVAIRRENLEEGVDKLEAGAKLTGLMAYTAERVKALEPAAGVDLDDK
TIPHEIPHWHIGRGEHLGAVHLTKGCRYGQETVARVDNLGRSPRVLLHLDGSAPLDPVT
GAEIKAGARTVGRGLTVVHDADYGPIALGLVKRSALDKELHIDVSVNVDRDLLPAEES
QRGRAAINKLKGL

>RXN00769 TRANSLATE of: rxn00769.seq check: 3734 from: 1 to: 213
MGRGRAKAKQTKVARQLKYSSPMDLDSLQRELANQSPRRSYSDTPDDEDQYAEYADWDE
DDTDNRAYGTN

>RXN00771 TRANSLATE of: rxn00771.seq check: 865 from: 1 to: 819
MTNPYEAFLPKHRTGIEPEHTFEWENKRVHIAARRREAPVRVIVVHGLGTHSGALWPL
VAAIEGADLAAIDLPKTPLYDDWLRLLESFISSEDDGRPLILIGAGTGGLLCAEAAHRTG
LVAVHIATCLLNPSDQPTRRALFRFSPLTRLIQRLRNREIPVTRVLNFSKISRSPALS
LCAADEFGASKITWGFLASYVQHAKLGAVPVTLMHDPDHLTPVELSLRTLRLKAPT
-DVVMLKDCGHFPFIEPGFTTLETVTSVIARNS

>RXN00785 TRANSLATE of: rxn00785.seq check: 7074 from: 1 to: 657
IIATLGVTLLEARGLFTVASIPILFGIFTPLTSWFVSQQGVAANVSPGVSVTEILTAV
YPLAQLFPTLIMVTLVAALIAVVRIILLRNQESRQVSGELTRRAQREAEANQNAARRA
RAQSTRVQSSKTRNRRAQPTGDTGSQVTVDELIRRSQERRQTVAQRQTERGVPTPTPGP
VVAPKPRPSAPEAPAPTVDGERRQAAPKRRTSLDDDLYS

>RXN00795 TRANSLATE of: rxn00795.seq check: 1530 from: 1 to: 528
MIISLVVSAIIMLVAVGFTGMCSFNTGSPENGQVPEVDASTFMSMEARAMTDHATRLPET
PEGWTTNSARRTMVDDTPASVVGVTADEGYIQLTQTGETVEDAVAGYDTRWRDLSESYD
LDGHDVGIYTSQESDVRDLRVMDLGARVMVSGAATDEEFNDLLRAVANSEPLPTN

>RXN00831 TRANSLATE of: rxn00831.seq check: 2669 from: 1 to: 702
MSALETQWQDSSVLIVVAHPDDPEYGLSAAVKEWTDAGVEVSYLLTHGEAGIQGLDP
KETGSLRAAEQRAACDVVGVRNLTIILNHPDSMLVYNLVLKDIAREIRIRKPNVAVVSNF
DVEAYGGLNQADHRVAGLAAIDATRDAANPWAQPELLQEDLQPWGAEVIIIAGHPEPTHT
MDLAKDSVDAGVASLQAHKEYLAALPDPPKPEEFIPAFLEVEGGYAAAFRVFGR

>RXN00835 TRANSLATE of: rxn00835.seq check: 6529 from: 1 to: 954
MAGGLAALLDDVAAITRAAAASLDDVTAMAGKTSVKAAGVVVDDTAVTPQYVQGVKPAE
LPMIWRIAKGSLVNKIIILPIALLLSAFAPWALTPIMLLGGSYLCFEGAELIWHSLHRR

IKGEQHSTEPKSESQSPKSEDQLVKSATTTDLILSAEIMVISLNQIADQTIWMQAAVLFFV
GIGITALVYGVVGLVKMDDVGLTSLKRDSAGIQKFGRGLVKAMPIVLQVISVVGVFAML
WVGGHIMVVGTEELGWELPYHLVHGLESWANGIGGSALGWVGNTFGSLVFGLIWGAIITV
VVSVIKKFIPQRAQNSSH

>RXN00836 TRANSLATE of: rxn00836.seq check: 6589 from: 1 to: 1716
MYTHSTGTPQLDFDGDIIYPLHLFFSAQTAQHFALEVRVNWHLRAIVKPEQGELIVEALLA
PIESATKIGVWVQDEFLGVIAESQFLLNSQLSRIFASGHLISSQLLLTPSKGSLASVLLP
NLKFGILISNDPPRADSHLLPLGRMWRVEPTVHALFEDFSLGSTILFGLRLDLEALIVSYN
GIECGILNFDDASALSSAVKFSNANGLTPTVLGHVVRENGETSFEIDVLPLELWSKKQHR
LEVLKIPRLIPKEADSQNYVKATALLSDEILRPQTLSKKALSLSDTAVKYSHPVACGVGM
FSLFAVVPFDKLSDSAMLLAVISLMLFVLALVILFKRIQSTNTQRWNLASSVGLLATLP
IIIFLVADTLIPQGSLENHAQPDVQVTTLANRRPSSPTSLDSLALNSPSSPNSSSML
QNSEMFASPPIASGQSPVSTFRSWLDRSILPLTRENSASESAVTALGPSIVQPASESITT
PAQTSQSRHAIDDDGDDSKTSTGRPAPTTNSPIIALPPTWIIGPEDPESTDPTAPTEPTEP
SEPVATDEPSETSEQTSPLLRDTPELNRKQL

>RXN00840 TRANSLATE of: rxn00840.seq check: 2272 from: 1 to: 714
VTKTLPRLLTVAAALAIAPATPVASAVTPVEQAFNASSNLSSGLPVDQWGRPNEQFRQQ
IEQAVNQPVWPQEIKNIVSQAMGFITGDGSEGGDIEIPDNAPRIAQFFWPTRSENCINGN
SAAVGSFAVPGPADLPLPGAGVGQTSFVFTALGTGLAEQQSTAMTVQWANLSNFTHGT
TTLSNTGINPDGPSTISGVADTGRGIIVASMSGGLTTSTENGSAFCNFIPTAVVFDVR

>RXN00841 TRANSLATE of: rxn00841.seq check: 5409 from: 1 to: 537
MTDLHPVKQEIFNTAESINTDPKGFLEVDTFKVTDFGLYMARGANHPKFGYLESWLLPE
LGLRANIFHFRKGVDERQDYIIDVAEIRVEDNIWTTTRDLYVDLISVCGEPTVMDIDELA
AATSAGLITADDAERAIDATLNAVEGITRHGDPMQWLRSKGIELTWADASQVELVPAE

>RXN00846 TRANSLATE of: rxn00846.seq check: 1812 from: 1 to: 870
MLKNDLSGARVVAVHAHPDDEAITTGGVLADLAARGADVTITCTLGEQGEVIGETFAQL
VNGDADQLGGFRIHELYASLEILGVRGIHLGGAGCWRDSGMVGDPAHEHPRAFIHSGDRA
VEQLKELLAELKPHLLITYGPDGGYGHDPHIRAHEITHAAAGEQRILWAVSDREELEDGL
KAITGLPEGWGRGELSADVSDLSVELNDEVYATKVESMRAHATQLWIADGSVSRTPVA
AHAVTQQDNVQVWALSNLIAQPIMRHEHYQLGAGTPLPEGATGVLDGLEF

>RXN00850 TRANSLATE of: rxn00850.seq check: 9820 from: 1 to: 828
MANPFSKAWKYLMAFDSKIEENADPKVQIQQAIEDAQHQELSSQAAAVIGNQRQLEM
QLNRRRLAEIEKLQGNTRQAIQLADKARADGDVKKATEYENAAEFQAAQLVTAEQSVEDTK
QLHDQALQQADQAKKAVERNSMALQKQVAERTKLLSQLEQAKMQEKVSESLKSMDSLTSG
STPNLDQVREKIERRYANALGQAEASNSVĒGRMĒĒĒĒQĒGVQMGHSRLEQIRAEEMAGG
SLTAGNKQESIEAPAAGNNVTDDAVAQRMRELGEA

>RXN00854 TRANSLATE of: rxn00854.seq check: 1696 from: 1 to: 213
MRLSEFRQLIEDEFGEAKGEWIAHSHVIGALGVTADVAVDTGVDLRDVWEQLCIDFSVPE
ERRLGKDEPGF

>RXN00855 TRANSLATE of: rxn00855.seq check: 9166 from: 1 to: 285
MTYFAVLYTYNPDSEKVAEVRTVHREFIANLHAEGKIVGSGPFVDGDGALIVIKLEEGS
NLVDAETLMNNDPFHVENVLDNRVIRSWNPVTKDF

>RXN00869 TRANSLATE of: rxn00869.seq check: 9381 from: 1 to: 921
MTPPIISPEFEALRRMRAAEPTMVAERFKQRRKRELLGEDGKLFIVAADHPARGALAVG
DNETAMANRYELLERMAIALSRPGVDGVLGTPDIIDDLAALGLLDDKIVVGSMMNRGGLRG
ASFEMDDRYTGYNVSSMVDGRGVDFAKTLVRINLS DAGTAPTLEATAHAVNEAAAAQLPIM
LEPFMSNWVNGKVNDLSTDAVIQSVIAAAGLGNDSSTWMLKLPVVEEMERVMESTTMTPT
LLLGEGGNDPDAFASWEHALTLPGVRGLTVGRTLLYPQDGDVAAAVDTAARLVHTDIQ
QFTSQSI

>RXN00915 TRANSLATE of: rxn00915.seq check: 6638 from: 1 to: 630
MSAAYSQDTILTFLGRGLTAEGIRQTLEDFAETGLVRNLVWIDADSFHESSEVTHLAT
NQDGLPELQRRPFNELVSRRTTKLHIGVINVIDGSEGMLHAEELNPLVGIIDSVCSSHQ

IHRSNVMIGAVAATLDEELPILRGYVNLMLAPEDSHSPGTATVTYRHGFS DHRLPCTAWL
ISPACTDCGKAAHPHQSNSSYLKVPFVW

>RXN00917 TRANSLATE of: rxn00917.seq check: 3769 from: 1 to: 2679
MVNTLNSKTVNVPFRFARGVVAATALFFGALVSLAPSALAEPPAVEAGASGSLSNLGAC
IADKGTLDVIMIDETESLIHEARDGVVNANEPGADAQHHRVPAAQSFVDELLAKQSDGD
LNTRIRVAGFGQTYKSGATDPDNYGAWTQLDASTVGGVQDEISRFA DRTQEYQYTNASAI
EGAYQDFTRSGSEDACRMLVTFTDGALTAQEGADVAEALCAPGGVTDRLRSAGITHIGI
GLSAPTNPSDFSLLRGTTAGGGTCGVEPANGAFFPADNVGGLFAAFREALAIGGETIGET
RAGDPFSFTLDNSVNSVRFTAIKDDLGPNHLVLTAPNGETVELKDSGSSVANSTDVSW
EAESSPVKMADGSLNLQQGGDWKGVWQIQFQGI DPAAVDGRVFN SVEIQPDLQLVFSGGD
STSGALNLRDDQQLNMQLVGRDGPRILEGSA LVDLGFTRADTGEFAPLAQGIDISGGEL
SFPLDTISQLPAIGTVEARTTITTAGVDDLPGTTLSPILNTRITITQORDMPQLPASVRF
TADEDVVTVDIPITGPGKVWIAPGTQLSGVLPDGV DGIASSTFDSPDNALVLGLDEQGT
IPVELTVSDLRDGLVNGSIPLQISNAEGANETSVDLPTEGTLSPINASTFALAFILALV
LSLLIPLLLILYIVRFLSAKVPSSMSGVRI PVEFSGEALRYAGSTMPDLASQTTATKQVV
VHGDTFNVEGHKLKVQRFQLNPIASPAVIVQTDPSISFDGKQKGTQAKLPLAVQGSWFLT
ASGADPSKMEIALTNLPLEQQQIDRMIAGITSKAPDRARELQKLLDDAATSQPAKVPPR
APAAQGHVEKQAPSFGTSGGGFGSSNGGGFGSGSGSNDTNGGFGSSGGFGAR

>RXN00921 TRANSLATE of: rxn00921.seq check: 1572 from: 1 to: 513
PAAILLDHIVPNFSRDRSLPDIEDWTRSDEAQQIFAGIIAGASVQTGRSHFMWDL LRAYF
GVALIGDEDTYRAFTTLTVDSVLSFVQLTLQEGRTEDIRRF EKYGEQIAREDLPSILTNA
RAVQQYLGYIDQDIINKKVSRSRDVNQIFTEMARAIIRAI SRNNIGKDMRS

>RXN00943 TRANSLATE of: rxn00943.seq check: 2288 from: 1 to: 912
MIRKLARPLASVYVADGAETVLNTSAHVEGTQVVLDRIRYVLP RKYAKRISRDPELVTR
VIGGTVKGAGSLLAIGRAPRTSAATLAILTIPNILARNAFWETQDADEKRNRRNGFLTNI
ALLGGLFITSVDTEGKPGVKWRATNATKRKKQLQALPTKSET EKFGKASDWFNDS
KVTEYAYTAQDFVGENKDDWIKSATETAHKVADTVSDYAHKATS YLEENSGDWLEAAQAN
AKTARKSAVKAAGKAQEKANFALQVAEETSGRANKKATKSYDKLQKQADKAIDRAQKKLK
GIEL

>RXN00945 TRANSLATE of: rxn00945.seq check: 2895 from: 1 to: 972
MLERLKRDLPLIVLIVLAVIVAIIPVRGVAADWFDVAVKIAIALLFFLYGARLSTQEAL
NGLKHWRHLTLITAITFGIFPLIGIGLEPM TAFVSEDIYRGILFTLV PSTVQSSVAFTS
IAKGNVAGAIVSASLSNLAGVFLTPLLVMLIMSAGGGVHVDSQVFLDIAIQ LLLPFILGQ
VCRRWVKNF AANKATKIVDRGSIAMVVYSAFSAGMVAGI WSTVSVLEIIYLVFAILLVM
AMLWFTLFMATRLGFNRADSI AIQFCGTTKSLATGLPMAAVIFGGANIGLLILPLMIFHQ
VQLMICAWLAARYGRDAQEQQANA

>RXN00946 TRANSLATE of: rxn00946.seq check: 9850 from: 1 to: 774
MTHTLQATNPLDQTAWHAWHFSRNKEAISRTGATSLSATEWISATTLKDAHTFP SPLPGRW
YKRGGGVVG AHLPPAFATTGTVQLRPGELLIAEDFTLT VIERLGQFALQVFDARNPKRFE
FHSIAAFP PSEEWRIEARFFPEPDTVNTAAADGVIVATPTAGWVHFLKGRLDYRLRVTVQ
KNNLRALFSDNSSTLGVYQHRFVDIPRPDAEGNTIIDFN RAYLPPKALNRKFLCPSPSLN
NHLNLTVEAGEKWWVAGG

>RXN00953 TRANSLATE of: rxn00953.seq check: 8687 from: 1 to: 753
MAPPTVGN YIMQSFTQGLQFGVAVAVILFGVRTILGELVPAFQGI AAKVVPGAIPALDAP
IVFPYAQNAVLIGFLSSFVGGLVGLTVLASWLNPAFGVALILPGLVPHFFT GGAAGVYGN
ATGGRRGAVFGAFANGLLITFLPAFLLGVLGSFGSENTTFGDADFGWFGI VVGSAAKVEG
AGGLILLILLIIAAVLLGGAMVFQKRVVNGHWD PAPNRERVEKAEADATPTAGARTY PKIAP
PAGAPTPPARS

>RXN00959 TRANSLATE of: rxn00959.seq check: 3462 from: 1 to: 456
MTVIGIILGSLFGVLAVLLIVVGALGWAAKLPGNPVVGIRVPEVRKSQELWDM AHRVAGP
LWVLSGVSFVIA SLVAFVASGWMWLVALGVEAAIAFIGMGAGMAAHTVAMVDAKRIRET
PQAPVSAEIEEAGGV TITSADYQQDSAEC PQD

>RXN00963 TRANSLATE of: rxn00963.seq check: 4671 from: 1 to: 837

MRLATIRTNGTTIAARVESENTATTIEGFANVGELLQESNWRELAENAAGEAVTFENKEL
DAVVPAPKKIVCVGLNYANHIKEMGRDLPDPTPLFVKFPDALIGPFDDVVVPEWANKALD
WEGEMAVIIGKRARRVKQADAAEYIAGYAVMNDYTTRDFQYAAPAKTPQWHQGSLEKSA
GFGPWWMTTPDSFEFGGELATYLEGEKVQSTPTNDLVFSPEKLEIYITHIYPLDAGDVIVT
GTPGGVGHARNPQRYIGDGETVKVEIAGLGFIENTVFE

>RXN00971 TRANSLATE of: rxn00971.seq check: 9758 from: 1 to: 318
KALSIGTQWAQVMGINHAAEELDEALSPLINRLREMFGDPTETEEANSLALHSCPFVVN
DKRPSAFVCAIHAGFIQESLGENNRIQLELKPLNAPGTCKVHVFSFSE

>RXN00991 TRANSLATE of: rxn00991.seq check: 2362 from: 1 to: 1380
MDILISILSLLGLFVLLTASTGLFVAIEFALTGLEKSTVETHVKQKGDSSARAVQRDHQNL
SFVLSGAQLGITITITLATGFLAEPVLAKEFTPALELVGLNESASSAVALIIALLVATTLS
MVFGEVLVKNWAITNPLGVARFVHVPNWFMVLPKPFINGMNKSANFIVRKLGIPEAEEL
ASARSSQELTALVRSSAESGGLDQNTAAVINRSLQFGDATADEFMTPRSTIESLRATDTV
NDLIELALETGHSRFPVTEGDLDETIGMVHIKDAFSVVQAERATTMVRDLARKIPVVPAS
LDGDSVLNAVRSAGSQVILVADEYGGTAGMVTIEDVVEEILGEIHDEHDDSDAERDFQQF
GASWEVSGLVRIDELEKRVGYVSPDGPYETLGGIMYTVGAI PRVGDVALLPLTDTPTMD
EFESGFSGRWIARVTVMEDRRIDKAVLTPITHEEAKKEYEK

>RXN01004 TRANSLATE of: rxn01004.seq check: 9066 from: 1 to: 1062
VSIWATVLLIIVLLSANAFFVAAEFALISSRRDRDLSLVSQKKGAEKVLYATEHLSIML
AGAQFGITVCSLILGKVAEPAIAHFIEVPFTSWGVPNDLIHPISFVIALAIITWLHILFG
EMVPKNIAIAGPETLGMWLAPVLIAFVKITRPLIEFMNWIARLT LRAFGVEQKNELDSTV
DPEQLASMISESRSEGLLDAEEHARLSKALRSEQRSIKELVIKDEDVRTLAFGKSGPTLH
QLEEAVRETGFSRFPVTGRDGSYLGIIHIKIDILPRLADPEMDPSETIPRSALRPLSNVDA
DGLMDDVLDLDFMHYRSAHMAQVRLKGELLGVITLEDLIEEYVGTVNDWTHESDD

>RXN01016 TRANSLATE of: rxn01016.seq check: 586 from: 1 to: 648
LLPYAIVGLVILLPSSWLPRWAVAVLGEVSLVPAVVFVGGGFLIPSMFLIGSALVRYGVV
DRAENAPRAMGVFFAVSAAIAIPTLIIQARDITSSGFSIVSTVAGLALGGVYISLVLLAL
HTPIRGALAAVFAPLGRMALTNIGATILMLIGGLIVDLPHSTSWTATVLLAAGILIIQE
LLSALWLRHYTQGPLGYLWRWVTWGSRSFPFLTRSAS

>RXN01023 TRANSLATE of: rxn01023.seq check: 9173 from: 1 to: 978
MSAVNSAGRPANGGINKTPMIIALVLSIVLVAVLFGARVLLGPAGQQQIAMSGLPAPDA
ESAECAALLEDLPGEAFGHTRAEIMDPVPPGAAAWSTSDLERVTLCGVDMPPFQYTALAN
TVDVDGTTWLPVSDMTPGSSLETWYSVNRFPVVAITADDISTDSADNPVAPFSSAVDKLE
KRDGQFPDAPLTGLSSAGTTCTSLFDALPRQLEVGGDDGTTYERIEEDRMQAAGYSDDAV
AWDTPGLEPIVIRCGVEPSENYAAGAMLQOIDDIPWFEDTILASGTTSSSTWYALGREIDI
AVSLPQAASSSLITISGFIEDTVPAE

>RXN01028 TRANSLATE of: rxn01028.seq check: 7950 from: 1 to: 2049
VIYPPLTPASEEKFNKITSVAAVSKRPTTLPYFRADGSPTRGFANFSTGGIHGAEYNEDR
FDHDQDLHTVATREFFAILDATLAALYAAHQAEPEADYQIAQDALAWAKNVLSQKLI
KSPQLYNPETGVITYEWEFVAQAAWWIRNKPVEVILPTGESMTVKHKSVLASASYPLRDNV
AYWRSEPKTPQLFPVAKSGGSSLEKKYNYTSVGTAIHEDFSSYYPLLLTNMAAFTNADLG
IDEKTGRPRDRYREIYEQKEIYGAQRKDPSIDEETKQRLGILREGTKLIILNSATGAADAG
HDTPILMNNRVIAMRIIGQLFSWRIGQAQSLAGATIISTNTDGLYSVLDMGTNQORVLDEH
ATAIGVQIEPEELDIVSKDSNSRAEFLNGYINAAGDLACWDGPNRSRNSLDHFAFVDHVL
VKYFQLVVNNTVPEIPETPELEGVPLALDQPMNRHEVSKIVATMHKEFEPKLLSFYQNI
LASSRGSNTFLFSVPYIPATEGEETHPATDTSTIATPTLSFDAYGNKAEMPTQSTVDKR
VPSLLQYYTRTFHVRQDTQQAQVDFVIGANPVLIAAAKAASISPASADSRRKKGLASTNAD
PVAKHVLEIAGADVESLRHEKDLKVTKHTGQDPALPVVVFVNQTIWHNPNDVDVINALLGA
DQDAYIDMAISSYNKSWHNIIPA

>RXN01069 TRANSLATE of: rxn01069.seq check: 984 from: 1 to: 714
VNDLPNLKPLPFNWTWVLATVATTVVLAGIGLYVYYPSLPDMPVHWNGSGEADNWTPKS
VGSFSLILIGPGIILLTLSGMQALLTMQSGVITQRGGAKSANEHRQWETYKATSMHMG
WYMFVLNALILVMILNEFRPNPLPGGFIIGLIGIIAATIVLLVLIGKTTTSLAKKYPMPD
QDGKTWGIIFYNDPDDNRILVDTGMGMNYTFNIAHTWGKIFAVLIFAVPVVLIVLLTVLL

>RXN01071 TRANSLATE of: rxn01071.seq check: 172 from: 1 to: 2064
 LVVDSSGRYNTITGLTTTETDSATALNLQMSEAGYLERYTDGATVPSVMLSADGTTTPQ
 ELVDALAAELGSNFDVETGEALVEQATGMITQALS FVQYFLVAFGLIALLVGTFIIANTF
 SMIVAQRMREFALLRALGAAPGQITRSVVLEATIVGLFGSALGVLGGMGLVAIIISAVLNN
 LGMPMGSSVGLTPSAVV TALVLGT VVTIVSAWAPARRAGEVKPVEAMRNMETTTMRSMG
 RTITGGIVLALGIIFAIAGAMMTDSSTATRSILVGIGALFVIVGTFLFSPALSMPPVVGGL
 GKVIGAPFGSVGSLAATNSKRNPRTATTAFALTGLGIALVTAIGMLSATMKDAVSDMMAE
 QYTADYILQGPTNGSITMPKESVNDVRDAEGVADVVLVSMNSASVNGQASYSQLGQSVTF
 VADGDL SKVISTESIDGSLDLSNPGVVTNQTFADENGWAVGDTLQLESMGQTIGDIELIG
 TFTGNDAIGNMIISESSLADTPAADTAVPQMMLLVVGEEGDFKEQLRTNLEDAVADYIVIS
 VKSATEFAGETVAMIDTMMNILYALLALSIVIAIIGIINTLALNVIERRQEIGMLRAVG
 KRGQVRTMITLESVQIAIYGAVIGIAIGLGLGWAFVTVMSGEGLDAAVSI PWGQVGLMLV
 GSAVVGVI AALWPAVKASRTPPLDAITD

>RXN01075 TRANSLATE of: rxn01075.seq check: 2212 from: 1 to: 411
 MDNFPVNILNEQEALERLQSVSLGRVVRRSDEMDFPVNFIVDKGAIYIRTAEGNKLFSM
 NLNHDVLFEADEVKDGKAWSVVVRATAEIVRKLD E IATADTLELKPWIPTLKS NFARIVP
 NEITGREFTLGEPEPY

>RXN01085 TRANSLATE of: rxn01085.seq check: 551 from: 1 to: 879
 RKRGEGLDPNSPEAIEQAKKKGERKARNERC RKNFKGGGTDKDLKQTDRTFDQLRKQRTD
 KARNRDVHNEQQ LARGEIGEMRSPMWVEVGAA ILGVFVLVVMWLAWGGIGLLIQTMMNTG
 SPNDKELFDELGVRPYYVAVEQQIGTSSAHTTCYQPLDEFGNNGDCTRSVPKEPVWYAD
 YVASVFAEHGFDAPEPIDNSVGSWLLFGHVGIIRVTFVIAVAAGVYAMSRAAMMRQLETQ
 NVAVDTTDINQHTNDARLAI PQEIVRDL SLFPDVG AHFTSPALKHDFPCDAVE

>RXN01121 TRANSLATE of: rxn01121.seq check: 3374 from: 1 to: 1086
 MNPEFIHGATEIETTNRGLRPHRLSKEIVERYCDPQFSAMERQPSGVRVVCRTTATSVTL
 TTYSTRVVYLD SGRPGGKIDVLIDGAPTSSTPTSGGETTEVNFI TGATERRLKDPQVLT
 DGLSEQEKVVEFWLPHNEEIEVISLKANAALNTVEDTRPVWYNGSSISHG SVATAPTKI
 WPAIVAQSKNYNLRNFGFGGSAMLDPFMARLIRDT PADLITL EIGINIVNGDVMRRRGLE
 AAVDGFINTIRDGHPTTPIKIVSPFYCPIHEKTPGPGAFDTSSFGSGQIRFIATGEPDEH
 GRLTLEMVREVLEGEFVEKQKDPHLTYVDGASLYQASDAPLLDNLHPDEASHALIAQRLLK
 QL

>RXN01128 TRANSLATE of: rxn01128.seq check: 7667 from: 1 to: 1014
 MSFTFIRTFVFLFGITLLVSCVPEPPDSYTKESTVLRYQVSDFNLFVELAVALGYLNNI
 ELQVVGSVQGGVESIESLKKDDIDFAAVPFI GLVAGEIATGAPIKAVAASYGISHDSSSA
 LLVLKDSEIHEVHDLIGKTVGINTLGALGSAMVERHLFDAGLTEPEIVSVTQRALPGEYL
 EQRLYQGVDAI WVTDSAKHQALETGDFRILAEDSDLVQELNTGCMVVSQKLIDEHPAVV
 GELVDGVAQAEI EFERSHSPEEVREVFNYLEAHGQSDRISSFRYWEHSGIATRGGVLSDR
 EFSMWSHWIDRQYDVPDINPASIYTNQFNPKVNPSP

>RXN01134 TRANSLATE of: rxn01134.seq check: 3892 from: 1 to: 771
 LSLDQVPYTAQIVPLAVILTLLDAEEMATARSWDRLNQWFWSGVLGELYGSPAVIARSGR
 DTDQVAAWIREGAGETAVVPKTI RDTVFHESRLLSATQDTGVWKGIFALLMGRGARDWRT
 GQQFDRWTFDELGCNFHQIFPTKWCKERGIDPVLTESVLNRTPMGRRT EVVIGDTPPSRY
 LSRVQSKSLMGDEEFDQMLDTHLLSAEDLHSSNTTHFFASRRTNFIDMVEDAIGKAVIRD
 VNESDLTGGHDGSPVHG

>RXN01140 TRANSLATE of: rxn01140.seq check: 3026 from: 1 to: 933
 MALDTRGEEMRFRPRALSGAPDTGKDPGLLLLDGQQRLLTLYHCFSGDGYVNTVDFRSKK
 VTRKFYIDVAKAVESPVMSDEAIFSVDETGKIISHFGPVIDGGITDLETALAHGCLPVSV
 LLDDNGTDFLFDLADMAGEGAREHAKRFQSQIVKTLVSYDIPMIRLDRETAKGGIGSIFA
 QANSSGLQMDVFDLLTAVFAADESVETEFSLRDDWVRVERNLRQHSALDGIGSTEF LTAV
 ALLVSARKGHASGYREDILNLT LAEYIPA ADEMIKGFDEAAEF LRQRCIFESRPGSIHRA
 DCSTGRDPHPA

>RXN01148 TRANSLATE of: rxn01148.seq check: 3053 from: 1 to: 600
 MTSPVENVKKKPRPLALSPSRAGDYQQCPLLYRFRAIDRLPEPKTVAQVKGTLVHAVLEY

MHKLPREEREYPAMVKQLKPTWAQMCEEDAEKELVPEDELYDFLVDSRTLLRGYFEMEN
PQGDATECEMYVDTVLPNGVPVRGFDIDRVDTAPPAKSELSTTRLARNQSRSGASKRSSR
CCSMHWSTGACSMKSQLSFV

>RXN01153 TRANSLATE of: rxn01153.seq check: 8673 from: 1 to: 543
PFLSPIVTSTHAVVAYSTARGFGEHRVRWDYAQESPLRDTRGFDLRRYHQAPVVDPHAIG
VANVFVPNGARFYVDHAHPEYSSPEVTNAWDAMVYDAAGDHILMQAVSDVASFTSQNRSV
LDGHDPCPALKIYKNNVDGKGASYGFHENYLYSRETDFDVLAAQALIPFFVCRQVIIGAGR
V

>RXN01154 TRANSLATE of: rxn01154.seq check: 4612 from: 1 to: 639
LSKKISLETTLNIRGIINTRDEPHTDADHWGRHLHVIIGDANMSQTANFLKFGMTSLVLDAI
EAGVDFSELKLKNAVSEVAKVSHDLSTLTHQLRLADGSELTAIDILRRYLDKVQPPAETPV
EQRVTALWGEVLGLENLLSTSHLLDWTAKLALIKSFEARGLSINDPKMYLIDLQYSDI
DPQKSLYHALVSKGRMKTLCQAQDIADAAATSP

>RXN01155 TRANSLATE of: rxn01155.seq check: 3917 from: 1 to: 1470
VESALTRRIMGIETEGTLTFVDGDSKKLRPDEIARRMFRPIVEKYSSSNIFIPNGSRLYL
DVGSHPEYATAECDNLTQLINFEKAGDVIADRMVDAEESLAKEDIAGQVYLFKNNVDSV
GNSYGCHEHYLVGRSMPLKALGKRLMPFLITRQLICGAGRIHHPNPLDKGESFPLGYCIS
QRSDDHVEGVSSATTSRPIINTRDEPHADSHSYRRLHVIIGDANMAEPSIALKVGSTLL
VLEMIEADFGPLSLELANDIASIREISRDATGSTLLSLKDGTTMTALQIQVVFHASKW
LEQRPEPEFSGTSNTEMARVLDLWGRMLKAIESGDFSEVDTEIDWVIKKKLIDRFIQRGN
LGLDDPKLAQVDLTYYHDIRPGRGLFSVLQSRGMIKRWTDEAILAAVDTAPDTTRAHLRG
RILKAADTLGVPVTVDMWRHKVNRPEPQSVELGDPFSLNPPQPAQETALSILLGGTSY
IAGEIATLTF

>RXN01167 TRANSLATE of: rxn01167.seq check: 6639 from: 1 to: 396
MADRVLGRSRMGAVSYETDRDHDLAQRQLVKYKTADGEIYEVFFADDAEIPPEWMCKNGK
LGILMEGEGVESKPVKPPRTHWDMRLRERRSIEELDVLLEERIEALRKRRRNAAKLLKAQQ
EAEAEKAAEEV

>RXN01169 TRANSLATE of: rxn01169.seq check: 2636 from: 1 to: 996
LKRVEAWDRFQIPLYITALIAGALVGLQWPGSTGGFESAINPALMALLYATFLGIPITR
IGAALKDLRFLIVLMSVNFVAVPLVAFALSRIAGDEALLIGFLLVILAPCIDYVIVFAG
LARAQDKLLAATPILMLVQILLIPVFLAVFVGSALGSIISFGPFVEAFFLLILIPLVAA
AGTQQVARKWQVGRITMAAAEAIMVPLMMLTLFAVIASQVEAVSGQFTDIATVVPLYVAF
LMVMPIGGGISKLGGLGFKEQRAIVFSGATRNSLVVPLALALPAGLEIAAVVVVTQT
VELIGMVVYVRIIPLIFHEKQTYRKLSGIGES

>RXN01173 TRANSLATE of: rxn01173.seq check: 4063 from: 1 to: 615
MHVSTLPNKKLRTRIFAGTAAVALSLGVASCSNAEDAVDSATDAANSATSAAGSAINDAT
GTSSASTTEPSGTSGSDSGSDSAGGDTTEVESADGSTISIPAVVTAANAAGFSTPESVE
EGPNGESLVTTFPEGYIVNSAEGGAQALVGMIGETWIGEGGLSAAVGLPTGPPEATTNGWT
QQFTSGVISWLDDGSGQFAASVEPA

>RXN01174 TRANSLATE of: rxn01174.seq check: 9196 from: 1 to: 750
MSNMQGNDSKKSSGASRAESPLIKFRTLIIIVIFVILVGLASIAVGPVVYQIMGPGVKT
EGIQADGAAPASTDMNGTWDVAPGSIPNTTSAGFTFAEILPGEKITSGSTTGVTEGVVI
EDNSLISGLITVNMTHITTDQEKRDINVRTKLFHTDQYPEATFEVTDSDLSALPDTGSI
AQVVIPGELTIHGETKAVEPTFDVLRGTGDQVIVASDIEINRLDFGVETPEFIAAKINETG
EINVRIVLEK

>RXN01206 TRANSLATE of: rxn01206.seq check: 3690 from: 1 to: 300
VSAENTENTDSPFEISEFDDHRRPLQRAKFGSIALIVFTLISLAIWGATRGVPGVSAVV
IGAAGVAGFVLLTALSVLFTTNSNVTTTGAVVLGGWLLKI

>RXN01210 TRANSLATE of: rxn01210.seq check: 8240 from: 1 to: 831
MTTSHTARGLQHATPERRKTSFFKTSLFKAEWLQFRNKTLTLMATVFPVGIPLLLFLIG
NGGAESANSFDYFVMTLLFVQFYTVLSMATRRDERVLKRLRTGEARDIDIIGAICFP
GALLTLFTVVIIPLLMVLGAPAPINLVPIVFAVLIGLLCSALALMTSGFTRNAEAAQM

TSMFVFM LAMGGLGSIRFVFGDSIVADILAYTPFAAISDLVQIGWAGATFADSVGGVEAA
NFAGIFQDMLIPLGILAAWTAAAVWAANRYMRWDSYR

>RXN01229 TRANSLATE of: rxn01229.seq check: 2418 from: 1 to: 1278
MIISTNTAHLPLHEPHVPSHHNRMTLRAGVLGANDGIVSIAALLLGVIATGASDTVVFGA
GLASTIAGAVSMALGEYVSVSSQRDTERVLIKEAKELAEDPTAEHVELSEILHSYGIXX
XXXXXXXXXXXXGXGDALGAHLQLELGIDNEQLTSPLAAAFSSAVAFLLGALLPMVXVFXAP
XGWDAGVXFVVTXLVLAXTGFISSXXXXGTXPMRXCXXXXXGGXLXXALTSPSWXXXXXAX
XXXXXXXXXXXXXXXXXXXXRRXX
XXXXXXXXXXXXFXXXXXXXXXPLSGEILLAGLGGEIGMGEPRIPVTTGDLETRGLQCLGKL
GQWPPVGGGGHMIHRFQRRPGEKGHQATTILHRHPQCDQGVGQLARAHVDQGVPGQQAC
PALRRV

>RXN01231 TRANSLATE of: rxn01231.seq check: 7153 from: 1 to: 243
MLGYTFVIFILAPFLILTGIAMAPAIRSRFPWYVKLFGGHQGARSLHFIAMVLMGTGFVIM
HVGLVFWSMATTTWSTWSSAI

>RXN01246 TRANSLATE of: rxn01246.seq check: 4104 from: 1 to: 507
MKRTITIAALALTSTLVLSACADNTEGENTDTTTIATTSAPDTTETTGTATDPETETGAA
GEVSAEHNDADIMFAQMMIPHHQQAVEMSEILLAKDDIPAEVIEFTQGVIDAQQPEIDRM
NTMLETWEEDPVTGDMGEMDHGMSGMMSEEDMTALEDAQTRGCPALP

>RXN01249 TRANSLATE of: rxn01249.seq check: 8446 from: 1 to: 471
SQIVAVSSHGLTTIQEIDVKRAAIAAALTLALTGCSAADPEPTADGTVSQDTFLTTHGL
AAMDAVEIIDHLDRQKVTERPTDLIASVRADELLSSDDQEVVVDLPDNQTYVSIAPYLN
STHDCFYHSLTTCLGDLNEDIHVMITDEATGEVLFD

>RXN01251 TRANSLATE of: rxn01251.seq check: 4314 from: 1 to: 309
MTQPDMSQILAAQAAQQAQLQAAQQEILATTVVGNAGNGLVTVTMAGNGEVSAVTVDPKV
VDPEDVETLQDLLLLGAFKDAHNKVANVAEEKMGPLSQGMGGLF

>RXN01263 TRANSLATE of: rxn01263.seq check: 84 from: 1 to: 912
LTPYDPTAVNKESEKEAAKNLFGAEALTVDPDAGEVVDRVDNFYPTTAKAKRDYPSNYAA
GCHQEVNETSPESCVYGDKNDFSVALVGDSHAGHWLPALPEPIAEAQGWRLVYTKSQCP
LISTAIKLGETFYAECYEWNEKLLAKLTGPSAPNHVIVSSQRYASANPLIDSVATGTVSE
GYEMAWNSLKDAGVSI SVLLDTPRPQIDIPECVASNRDNLSECSVHRSVALGTEAHPQOK
TAAQNIDVPVLDLSNWICPEEYCSAVIGNVLVYRDSSHLLTATYARSLSSALWNLVASNG
EPFK

>RXN01266 TRANSLATE of: rxn01266.seq check: 6088 from: 1 to: 1035
MPKVSVVTGFYNRCEHLERTIESILNQTYSDFELIVFDDASTDGTASRLLELKEKYDDPR
FRFIIHEENKGFVKGLSEAISGAKGQYIAVQSGDVSLPRRLELQVEFLDANPSVGAAGG
AIYNIQEDTGTRNPQRFKPIATFDDLLTSNPFTHGEVMYRLDLYKSIGGYRSGTFAQD
RDLWLRMAKKADLGIIPDFLYHRYTLLDGVSFVPDKTIRQRCFSEAAVRLALMPPEEGAL
AYSRLAEAGPTAVVPIADRAVQKFVPKAAIRLCLYGAPETGLHMARDYIQNPLRRTIVVV
LISIIYSSRLIKPLQDILYKSIFKGVSIKPIKSSLVKFTRRIQK

>RXN01275 TRANSLATE of: rxn01275.seq check: 5209 from: 1 to: 918
MEKIRSPAVQSDALQVFKSALAATVTWWISVNLNSQLPFLAPWVALMTMQFTVYHTFIS
GIQTAIASVIGVGLSFVIGTYLDVSVWTFGLAMVIGLIGARVPKLRAEGIGIATTSIFLL
ASGFDDQQPLLYDRILEILLGVAVAIAINLIIFPPLRDQEANMVVGNLDRRMGEVLQKMA
DELAEKWNIDNADEWLEEINSINNDLEKAWHSVRFVRESRRVNPRKIRIQEGRPQPTETS
YESNLTSIDEGIAHLRHLARTLRDTPIIDSDWGSSIPATVGIPYARCRSFARRSESGNRS
YPRPAL

>RXN01276 TRANSLATE of: rxn01276.seq check: 3553 from: 1 to: 444
VSSELSSGTSSGSSSESDSDISNRDIIFGIAAIAAVGGGLIASGVHWAQQRMIPNPLPG
IIPNPPALAPQAPAPAPAPQAVAPQVAPQVAPAPAPVQTNRTYKNCTEVWNVLG
RSIRQSDPGYGTDLDRDRDGIGCESRP

>RXN01281 TRANSLATE of: rxn01281.seq check: 193 from: 1 to: 762

VGLSRSHYQLAAENTKSLVRMVPMTVPQGNPAKKLATDLNRNQVDELSSAAVSRGQTLT
EEFEDRSSKAWNARHLDTLVELISDVNDNPYTLLGQQFPGASYAPAAAYETTPPAMPNVSD
PVNIVRNRTGNPNNGSKMSVSFMGGTVRKGGWHVPNVHTSFAMMGGNQIDLRDAFLES DR
IQINAYTFMGGIEIIVPEGVFVICDGMGIFGGFEQSVDKAGALNPARLPSNAPT VHIKGL
AFMGGVSVVTKKNI

>RXN01296 TRANSLATE of: rxn01296.seq check: 1595 from: 1 to: 1083
MSIEQAITSLSARVRELKPIIETEEATKTALI-IPFISNVLYGYDVTDPREVIPEYTADVG
KKGEKVDFAIKTGDDFHFLIECKKVGSPSLDHANQLVRYFNVTDTEFAILTNGEIIYQFY
GQLDAANRMDAKPFMTLDLNNIDARQFPHLEMC TRKHFNQALANAEEELKYIAELKKVI
ANQFQEPDVEIVKMLAATVTTKRMTAQNLEFFTRLVNTASSQFLKDEVNRRLRSAQVFED
PVQTQGADAETPAEDEAVIEEVVSEIVTTEEEIHGHSIVRAICCSEVSAQEITMRDAKSY
CAILFQDNNRKPIARFYFDRKI PRIGIFNAEGEQEHFDLESIEDIYNHADLLHSRVVALN
A

>RXN01301 TRANSLATE of: rxn01301.seq check: 6647 from: 1 to: 525
LIVDTQFEKIPAHDVVGIRVILSSEDLP ELFKRGYAEVKKFLRLEGIEPKGPARAYYFGD
VSDTVDILIGFPVSPAQAESLRRGALSQSGGDIDDVVLHHRDMKTMHSRHS GPFDFGVER
VWDEILDEVEDLGCTLPSSSIGWEEYIEGPATADTCDQLASEVYVQVCQAPVKSA

>RXN01306 TRANSLATE of: rxn01306.seq check: 7259 from: 1 to: 1008
MTEWYVVL PATILLIALSAFFVIIIEFALLAARRNRLEETVETSRSSRAALRSINELTLM
AGAQLGITMVTFALGAIK PWVHYALMPLFEWARIPLVMADVIAFILSLFIVTFLHLVIG
EMAPKSWAIAHPETALRTIAIPARGFINLFRPLLQWINKMANDLVRKVGETPVDRAAAGG
YD TDTLHALIEHSRETGALDQQSAAQISGIIKLDKITVGQTLTASPFTHSASATVAEVQA
AAQRSGSLRVLIDAPSHLFPHVIHVRDTLGASPD EKASKWSRPILTVAETDTLHQALEYM
REHNEQISAVLSADGKTVLGVITWDHILKYLWPASV

>RXN01324 TRANSLATE of: rxn01324.seq check: 6882 from: 1 to: 300
MSNSECHTHGYIEEKQRYLARKRIEQTRGIHRMIDEEQYCIDILTQISAVNSALKNVA
FGLDDHHLAHCVKEAADLGGDELD AKLKEVSDAIARFSKA

>RXN01326 TRANSLATE of: rxn01326.seq check: 1197 from: 1 to: 366
MAFPVTE DKILAAEETLGRRLPETLRERLLQNNNGGEVIDNENNDWILHPVRDDSDRRLV
RTANDIIRETESAREWDNFPENAI AIAANDGTGDLIILLPDDDAFYIWSHEDEPLIETE
LE DA

>RXN01331 TRANSLATE of: rxn01331.seq check: 1587 from: 1 to: 2397
MLTTLWIAVLVFTVPGLVSVSWVSGLKVPWAI AASIPATFGIYGLSAWLLGLWEMRFDLHS
VVISTLVFAAVALVWRLFFVGGWLVRRRKARIR RQTLADEERAENA EVSAGEPAESSTNE
AAESESETSERRGIWRVIFDYMRDGGILDHRWLLPAAGAITGAWLIIDRAVDLLLSTEHG
LGDIVQGWDVHWHASTVRFIDETGIASSTMMGQLRNIETQQDLFYPSAWHAGAWVLSV
NLTIVEATNLTGIVLSGLLLPLAVALIAWRMINNRGLTAQIGAGFAGLITIASPVLFVWG
NYVGAWPYVAAIGASGVVLA LFMSTPSVPVRIFAAALAFMGMFQLHPAPSTIVIMVLLLW
WLLKLVVVPSQKVKGWKAGIGIRLKDVGILAITGIIGVLFMLPQVISGSEQTEDVLSYSA
EEQVTRSESWLVSIFMETRHDVDFGNIDIVPVLVFAAIGGVVALVWRGNLWAPVFYFASV
ALTANSLKPFEEPPWGDWLNIVGGLHYSTGHR LIMPVAMFTFAAAGIGAAAVIRLICLGPI
KKFTTVSGVSVVMALVVAVPLQTWAKDFVEEGSETTILAPHNDERMVSNNDLA AWDWLI
QQPGGADMNIMGDPADGNGWMYAYNGLHSVARHYAWPAAGEGSATAMLFWWPQLLGVGTD
ENPDQVNDVDQAARDLNVGYFEMISPWTFWDFQIPNFRQIDLLWQTPGVTPVCKKGDSVIF
AVNDMFTDAELDQMRAPGNSPELPELPTLGELGLAETEDVDQTYH RPTVPAGVNSEM
PSAETLYAPDPTKPTVFN

>RXN01337 TRANSLATE of: rxn01337.seq check: 282 from: 1 to: 1413
VTFRGGNTGAKHAVVVGSGPNGLTTAAVLAKAGWQVDVYEAAPTGGGAARSESVLGEGTI
SDLGAAGHPFGVASPAFH YLGLEDHGLEWAYS PFAMAHPLDYGRAGLLETSLPETAKKLG
PDARRWKNLHQGLTKNIDKHLANLLGPVLKWP AHPIRMAKFGPFALLPAKRLASAAFETE
EARSFIGSAMHSVTPPHKPM TASLGLLFGALGMSRGWPVAVGGSGRIVDALVNVINHHG
GTIHCDSQIDSLSQFRD TDAIILNQTPSQVLKLGTDNLAGLPQRMSTWKHG PSSYKVDY
LLDEPI PWSNPQVGQATT VHVGGSSEEIAFAEA EVAAGRM PERPFIILCQQQVADPSRAR
EGRHVVWAYAHVPRGFVDKRAALLITAQIERFAPGFRDRIVHSVDTNAEDLEAWNPNLVG

GDITAGSALLRRMPTKIGEKTYMASASNAPGGGVHGMPGWAAQAVLADHR

>RXN01351 TRANSLATE of: rxn01351.seq check: 2597 from: 1 to: 585
 MTSFLDAPTLQRVTVFTGSALGSSSLYTQAAQTLAKTAVDRGIDLVIYGGGKVGMLMGIVAD
 AFLESGGEAFGVITESLMKGELGHEKLELEIVPDMHIRKRRMAELGDGFIAMPGGAGTL
 EELFEVWTWQQLGIHQKPVALYDVGFWQPLLEMLEQMTQRGFIKRDFFECLIVESDPHA
 LLKAMQWTWTPAPKW

>RXN01362 TRANSLATE of: rxn01362.seq check: 8917 from: 1 to: 3654
 KWLGTPAQSLFLIPPVTQHARTGTHLYDSLQLLFTLVDKGHHPTDAKAVAFDAEAGEEGL
 HFRNLSADLFLPAATELIDRVGLSNEALNKVLENLLLSRVQSGKDRGFISYATLGVTTEL
 QVYEGLMSTGFIQAQEDLFEVAPHGKADKGSWMLPVSKADEVPADSFIEVDQEAAPGGGVI
 KVRKRHRPGSFVFRQSSRDREASFYTPQVLTSTFTVTAIEELQASKRITTANDVLSLT
 ICEPAMGSGAFAVEAVRQLAELYLELRQEELEQQIPAEDRAKELQKVKAHIALHQVYGV
 LNSTAVELAEISLWLDTMNAEMDAPWYGLHLRNGNSLVGATRSYAPSLNKKAWLTATP
 TRYRLDDIAQAIDENKAEPFNHGIHFFLLPSTGWGATADAKDLKDLMAEIKELKSWRT
 SIRASLSKTQIKQLNNLALRVETLWRFVLMRIRIAESQISRSTTLWGQEPAEVSEVVTRE
 QIEQDLFGNIDGAYNRLRLVMDAWCALWFVPLDAVATAEHPERPALPDLDEWLATLTEL
 GIDLPLKSKNENQIVLGPDTNWLAINDAEATDLGFGSALSFERVSANHPWINVARQVAKQ
 QSFFHWDLDFAHVFAKGGFDLQVGNPPWVRPDVNFEDLLAEHDPWWAVMSKPTQASKKER
 QKNFHNPKSLEHVVSAGGEPVATSAILGSVTLYPHLKDQRPDLRGFMKETSNSNAPAG
 AISLIHPESHFTEKKAAPLRRGAYERLRRHWQFINELILFDVHDLVKYGVHVYVYAPQESI
 NFLSAASLYHPQTVLDSFDHDSGNLPLGLKDDNGNWDRRPHKDRIQLVNADTLTVWKSIL
 EDEQTPYLDTRMVTYVNTAAAALEKLASAPRIKELGLQFSSGWNETTDKKKGYFDVWG
 YPASWSDAILQGPLGVATPMIKQPNPTMKHNQDWSEIDFEAIPANFIPATAYQPDRTK
 PTYDADYGTWTFGDKQVPVADTFRIAWREMAATTGERTVYPSVIPPANHVHTVNSAASR
 SNLKTILVGAQLGAILSDYFARSSGSSHIFNDIVRKIPLNFTSLEKQFARTYLRNLCLT
 SAYAPLWEEITGEPWDVQVPLRNASQRRAAQNDIDAMVALSLGISADELCMIYRTQFPVM
 RRYDQEDHFDANGRKVPKEIIKLQQLKDGQELSVEKRTWVHPQSEVSYTFEYFPRVLDL
 EADLRAAYAKFENQLKEP

>RXN01379 TRANSLATE of: rxn01379.seq check: 3028 from: 1 to: 942
 MSAFDSILNVEEWISDHYLTNDDAKGASFSKRVRERIKWKTTEDATQSGPLTRFSSNR
 LQLQHALSELDDATTAASLVASALGYGVPSARHAQRGSDTISYSSWVGNAGSVEFLAATP
 AESFEENFRSLPLEPVAVNDKPDITAAKLVGQIFLSDTPPAFVITAGKWVLAERETW
 PLGRHLAIDISLVVERNDTKAQGEMQQTVALARENTERAADGTTWWEETIEQSREHAVK
 VSGELRSVRESIEILGNDVLTRYEAKELSTAEIDGGELAKQSLRYLYRILFLLFAEASP
 ELEILPTGTPEYDE

>RXN01390 TRANSLATE of: rxn01390.seq check: 97 from: 1 to: 657
 MFRRLSPSNTSSASSASSADTSYSVRLGRPEEPGYQPEPSYSEPYTDSDFAPAGAAAA
 AAVAPPMIAEQPQIVEDARRGTLDFGLLIIRAVIGVYLIVRGVFTFFTLGGSAGLAGLEA
 EFAGYQWPEILAILLPSIELAAGVLLLGLMTPVAAAVATVATSFTTLHQVNTHEGGWGE
 LSEPLMLAILLITIVVVLQFTGPGKISLDSGRGWQSVHW

>RXN01391 TRANSLATE of: rxn01391.seq check: 3163 from: 1 to: 690
 VAAVAFAAAYVIDGGVEEASGTPTSSESSVAATAPAASETAAEYRAMLASLDVKGRAPGT
 GYDRELFPAWTDTVSVEYGHNGCDTRNDILQRDLDDIQLREGTKDCIVTSGLLSDPFSG
 ELIDFVRGERSGDVQIDHLVPLHDAWVKGAQQWDEQTRKNFANDPDNLLAVKGTNLNQQKG
 AGDAATWLPPNTAFRCDYAKKIIITVKDRYNVWVTEAEASALERQLDTCAA

>RXN01400 TRANSLATE of: rxn01400.seq check: 8655 from: 1 to: 1500
 MAISVSMPKAISREELERAWLEVIERHGTLRVTFSTGMGGEVQQHRIDVGPWKWIDHAVA
 PGESINEALRAVLNRQCSPPSRPSHSLCIIIDAHPRPTVIIGSDHSHVDMWSMLVIVRDL
 AALDMELPVEPPLAFESHTAELLAAPPAPERIHQRWREILEAGGKMPQFPPLPLGDAISM
 PERVEVRDIFGVNGLAIYSARARAQQVSSALATISVMADVTAALADPLRAVFPVHSRFD
 QRWHDVSGWFIINSVIEVPDSDPHTAAQAVREAVSLGSYPLAELLEPWGMPETPGMFAI
 SWLDLRLPLVSIDDIGLQAQYVSASLRDGVMLWFILDRSGAHLRCRYPDSLVAENVGR
 WIDAIVAQMRAEAGTVNLQAGGEQLTLRHGTRADISEIAPLLARNAADPCELVDLEHALD
 LLTHESHFLAVVRNARGKIIAAMQLTIVPEFSRGGALHLHIEGPFIIPEYRTTDLKKL
 RAWAVEHGRARGVKVEEVVG

>RXN01403 TRANSLATE of: rxn01403.seq check: 3765 from: 1 to: 648
LVRGRGYFNAVDIYETSTQPDQEFPFDFDTFSADPTPFQLSAVRADTGETVFWGREDTPD
LSALMKVRVRASSTMPGFMPTIYIDGHPYVDGAVGETGGMLQPAIDAGFTRFFVIASRP
DYWRKEIGRPGFIKAALRRFPTIADLTIAIPALYNSVKQIILDLEKQGSAYVFFADNMNI
QNTIENLKKLRASFDAGMQQTRKDWPEIMSFLNQTR

>RXN01409 TRANSLATE of: rxn01409.seq check: 6984 from: 1 to: 822
WVDFPDVTARLGYEYMQLTQPHVDFGPFRRHPKADDDLVAAALKKRAKDAGVTIPALLPVQR
ISWPEETQVRVAARNIKRIIQLAVDLEVDLTNTEFSGRPERSEDEDAFYRSMEELLPI
EKEGIKFNIIDPHPDDEFVNGIEAWRVIRGLNSKQVGFVYVAPHSFHMGDQAEAILPAVGD
RLGAVYLSDTFDHKKSHGLRYITNPPGNAVRVHQHLKIGDGDVNFEIIFSLLRSTGYLDR
EDALLVSNVFAEDEAADEVSRYQLEKIRSLIENA

>RXN01422 TRANSLATE of: rxn01422.seq check: 4360 from: 1 to: 972
MAQRKLASVIGAALAASAVLVGLMTPATAQSSGSSSTDI TRALTSSGGVADSRAPEGGAK
VVVFGDSHTSGTNAPFRDTERGCKLGANNWADQLQSQLGLGAGDLIDVSCSGASINSDF
HFSDEVRAHEARGAIGPNTTDIFVQLGKNDQWGLSNVNLLQSVQTCCLDVFAGCGDAVA
AGKMQDPNAVTAENYAERMKPVIDYLKYYAPNAEITLVGYQEYTARSGSQVCVRLGGTPL
VKNDAPALVSEFMNKLDMAIDGAAGILGVSHVDLRSATEGHDCSNDPWVNGVFDARAEIV
GGPWHPSVKGDSVTAGILRDRVNA

>RXN01434 TRANSLATE of: rxn01434.seq check: 1389 from: 1 to: 2952
VLGAVLTSLVIPVLTRAEKEDADGGSGFFRRLLTSLVTLGGVTILSIIGAPLLTRMMLS
SEGQVNVVMSTAFAYWLLPQIFFYGLFALFMAVLNTRVFKPGAWAPVNNVITLTVLG
YMLVLPARLHPHEQVGIFDPQIIFLGVGTTLGVAQCLIMIPYLRRAGIDMRPLWGIDARL
KQFGGMAMAIIVYVAISQFGYIITRIASIADDAAPFIYQHWMLLQVPYGIIGVTLLTA
IMPRLSRNAADGDDRAVVSDDLQGLSKLTFIALIPIVVFATAFGVPIANGLFAYGQFDANA
ANILGWTLTSFSAFTLIPYALVLLHLRVFYAREEVWTPFTIAGITATKVVLSELLAPLLSS
SPERVVVLLGAANGFSFITGAVIGAYLLRNKGLGLGMRSLAKTSLWALGSAAVGAAA
LWGLIQAVVGDFLLGLTSSVGYYLLNLAVALGVFFIFVTGIVLSRSGLPEVQNLGQALTRIP
GLSRFIRPNTKISLDVGEVSEQDFSTQLVAPSEFAATPVPPPMASAGIVRGPRLVPGAPVG
DGRFRLADHGGVQGARFQAREIATGKEVALIFVDTSGNAPFAPLSSAAAAGIAYEVQR
RTKKLASLGSLAVAPNIHSEAYRNGCLIVADWVPGSSLSAVAESGADPRAAFAFALAE
TIGEAHEMGIPAGLDNKRIRINTDGHAVLALPAILPDASELRDAKSLASAAEMLIDATL
APSDVKAMVTEAQLATEDNPDYASLAMAMRTCGLFTEEPHLLVVKKEKTPKPTRDGF
ASDYTEVKGMAAIAAVVILVSLVAAGTAFLLTSFFGSSTNEQSPLASVEATTSATPEPVG
PVYLDLDQARTWDDGAGTDVTDVTDGNTSTAWTSTGGDGLLDLSTPARLDRVILTGTG
SDSNVTSTVKIYAFNDASPHSLSEGIEIGTVDYSGRSLSHSIRDSSKLPGQVESVILVD
EVRSSQTSNTNPMQIAEVQLVGV

>RXN01448 TRANSLATE of: rxn01448.seq check: 5425 from: 1 to: 1167
MAKKKLGTVARLSELDKSLRNRLLRVRSLLFIVHSAIGAGVAYWIAVEVIKHGQPPFP
MSAVIILGLSGGDRIKRATELTLCALGVGLGDLIMQIGTYWQIFVVVGLALLVASFV
SPAPLVSNQMAIGGILIATMFPPGDGGSIDRMIDAFIGGGVILVIALLPSSPLDAGR
VANVLGIAASVLEDVAASLKAKDAKLNNALEALRRSQASVNKLETAASSGKEATTVSP
LWGDRAVRVRSYLRIAPVDNVIRNARVLARRAVVLTEDNDTVSDEQIHVIEEADI
ALRLSDLYEHHKEISEALEIPELVNRLRQLGSEVGEDIAEDRVLSAQVILAQRSII
VDLLQICGMSRESAVAVLVPTSESPAYPPELWDD

>RXN01459 TRANSLATE of: rxn01459.seq check: 4910 from: 1 to: 810
MNSNGFGFSFGNDDDDKNNNDPFGFLGGNFGFGGQGGAGGPGGLGDILNQFGQMLSG
MGDSMNSPEAAGPVNYDLAARIARQQIGRVAPVKDSEKEAVEESLRLAELWLDNATQ
LPTSGHRVEAWNPNWLENTLPVWKRLVSPVAEQMNKAQLENLPEEAREMMGPMSSLMNS
MSSMNFGVQLGNALGDLAQTLTGSDFGPLISPVGVSAVLPGNIAEASKGLNVAPQEM
LVYICAREAAANASSSTCRGLSSASFPLRNTPSA

>RXN01460 TRANSLATE of: rxn01460.seq check: 5642 from: 1 to: 294
VPWLVERLVSSVEEYAVGLEIDTSHIQEAMGNFQMDNPDPERLQEMMNELQGM
DLSPRIGSRNANAVSRLETLLALVEGWVDIVVTQALSERIPSPTP

>RXN01471 TRANSLATE of: rxn01471.seq check: 6310 from: 1 to: 807
MQSFKTLESWPVDNVSASVISDGAHVFGVDVRFELMSVTKLLATYGFLVAIEEGVFEL
DSPMGPEGSTVRHLLSHASGVAFDKPVAEKGVGERRIYSSAGMDILADAVAAEAEMPFAE
YLREAVFEPLGMENSELWGSAGHEARSTVADLTKEGQELTAPTLLISPETLAEAFQVQFPE
LIGTVPGYGMQKPCPWGLGFEIKGQKSPHWTGDLMPENTAGHFGQSGTFFWTVPGSGQVQV
VVLTDRNFGPWAKPLWTA FNDEVWAE LNS

>RXN01479 TRANSLATE of: rxn01479.seq check: 8990 from: 1 to: 240
MIQLVIGAAAGYVLGTKAGRKRYHQIKKGYEAAINSPATKSAVNAARKAIANKLDPQPRM
KEVKNLRTADGHEVLEQDQD

>RXN01484 TRANSLATE of: rxn01484.seq check: 1102 from: 1 to: 546
VLGTAQYDGVPSRQFAARLRHAAKLWRLHEIQHVYTVGGKLPGDRFTEAEVAREYLIKEG
VDPDLIFVSAVGNNDTVSSYEALDPEKLGRLVITDPNHSYRAVRIARRMGFDAKPSPTTY
SPAKFPSIVYFLTLSHEWGGVVVQDVSRLGERVPDKVKHLCAQSKVCCALRGVHAMSNGG

>RXN01485 TRANSLATE of: rxn01485.seq check: 9216 from: 1 to: 2052
MNFSLVHLRENVRRVSVTVAIGAGALLISGPFFTAHTAEATETYVLAESPEFYQDNVTDY
TGQISSDITNIQAAIDDDKASEQKVIFVFLSSFDGVDPETWTQQALQANGGNNVLIYA
LAPEERQYGIQGGTQWTD AELDAANNAAFQALSQEDWAGSALALAESVGS SSSSSSSSGSSS
SSDFSGAWLAAAGVGTVAAGGGIWAYSRSRKKKTSATLEDAREIDPRDTNRLMQLPMET
LEHLAQEELTSTDDSIIRGKEELAIATSEFGPERTRSFNRAMNHSTGT LQKAFEIQORLN
DSIPESEAERQSMLVEI ISSCGQADDALDAEAQN FADMRNLLINAGSKLDALTQKSVDLR
TRLPKAQETLAGLRTRYSAEVLESIDDNVDLASASLDEAEVLPQAYEIESMPAGEQGGGL
IDAIRHIEHAITTADKLLAGVEHADENISTAKANVADLIQEISDEINEAGQLKQSAGADG
ARADWASLDDAVRAASAALITASADA EKDP LGTYTELVDVDSALDTQLD TLRATAADQAR
QLRVFDQQLQSARSQIQKAEDLISTRGRIVKSEARHTLANAQKLYAMAQQNRTRDTRAGI
DYGRQA AVAAQRASKSAQNDITTYNNRHN SGGGTGAIVTGMVINSILNSGRGGGFCGGG
GFGGGGGGFSGGGGGGGFRGGRF

>RXN01492 TRANSLATE of: rxn01492.seq check: 9162 from: 1 to: 804
VTTTLWAVSDLHAAVKANADPIENIQPKDPSDWLIVAGDVAERTELVL EILARLRRRFAK
VIWVPGNHelfSRsADRYQGRDKYSELVEGCRKIDVLT PEDPYLTFGGVTIVPLFTLYDY
SFRPFGFTVEQAVQAARDRQVMMTDEF SIAPFVDIRAWCWDR LAYSIKRLSKINGPTILI
NHWPLVVEPTYQMRWQELALWCGTRHTRGWAERYNAEAVIYGHLM PGITNVNGVKHIEV
SLGYPREWEHWSGQHVPYPVMEVDNAG

>RXN01518 TRANSLATE of: rxn01518.seq check: 9224 from: 1 to: 474
VAFMQKTSAGWLIATGGFLAAVSAILTWRFYGSMTSISITV SITFWLLAVVCGFAGVKVQ
GRLDEGLIGQDKSQMNPVTIAYLAMLGRACAWGGAIFGGVYVGIGSYVIPRAGELSAASN
DLPGVIAACALGGIALSAGGLY LERSCEAPPPQSGEAIS

>RXN01539 TRANSLATE of: rxn01539.seq check: 9014 from: 1 to: 2166
VVTVAGNEKNKIREERVARRAQAVVEAEISLAAQASEQVREQAEAPDVNEQVEEVSVSEVS
SVQSLTQPKTLGQLHDPKKNVMSSSDLASIIGVEQQPVAYGESEEPETLRDVLPRRKLHP
SEITPSYEADGEQRSIFGESAPSDFFDLS DVEEFDTS HWVRAGQDDRSDDRLADEAGV
PRSGAQDVADNEANLSGVDEQLHMRVHAQS FDPIDVAKKERKAAEKKYAKPPKSDNPYL
ARDAKDAAARKRKINAAHDNFAQEMAQAAMGPLRKGVNTQTVMAACTTAAVMWCMSPRMT
GVNVDMKRKFKNKLEQAKDTKLSKYVSKDFWKS KLTRDKTEKEAKSLSDAFMQOKTAIIS
NRERIPMSVASAAQT VVRLSDQAYEAMREVD TDGQAI VDAKDVSQAQVAEDIDMVVKQGEE
HGLKSKDIYGAARDIVGRMERDPGYAARFNETAFGT VRLGEQRRGMVISKTPTWQFPDG
AGLSKNAGWFSVREPMGNAQN FADNLAATLATEMRVAGEQYGS DGVDRDVAGFMTATDVS
ESGLASAKKLLPDFDTRGRSASRVRIAM AQRTQA AIKVLQDDGNQTAMTTEQVKEVQVW
AMDQAEKVMQRDHPAILDKFVRKHGQT FGGDADAFVKSITMEKDTSS EYTDAMVRPQENR
GSGRELAARRRVQAAQINQAAQLDMNVHDFRESNLPEER PANPYEAYVRETEAKTNDPQY
GY

>RXN01549 TRANSLATE of: rxn01549.seq check: 789 from: 1 to: 1659
VANDFIEPN DAPDAPDNGDSGSSGFVDEAKDKTRSA AQGLGYGALRVGFGTAALAANGAR
SMGNLAKNLWTRMMGLALSAGTGISAATGGMITARVGAMLAGTGSVLSSVT TIALIVSMI

VVPAGRKDGIIELCEPPVTANPFTIDAGDMTENAKLVYGALSYLGMNDQNIAGVLGNFET
ESGIDPTAVEGIFDEPNTIGPRKRAAWDKNFEPQPMGIGLGQWTAGRTQMLLDFAADRNR
DWHYIDVQLAFAISGDNESDRKVFLMVNDKNSSSNSPTAASEYFLREWERPADVAGNAP
IRAEQASKWYAQMGGWQKNSTLGESVIAMADGAAAKSTARDEQDALNDCPEEDRTSGGNT
SAAEAMVTISHPYLADSRGNDGTDIYRIHDEVLTDGPYYASCDRGVATAIRWSGTDDTF
PAGPTAAQYEEYVVGTSGRWEEIGNLATMSENDLLPGDVLLGAPNHVAMYVSNEVVVMDL
GPGNAEPNAAIGHASLNDRSPGLDTLSDLDGWGVNFKVFRNTQAETNSVFSGVQIPAGKEI
GEMTNPTRTTPAG

>RXN01557 TRANSLATE of: rxn01557.seq check: 9051 from: 1 to: 816
VRSSNPVFSSSLKETQRPQGNPYGGYDNFGGVYQONVAPQKAERPMTVDDVITKTGITLA
VVIIVFALVTFGVWLVSPLGLMILTTLVGAIGGFITVLVSTFGKKYGSAAVTLIYAVFEGLF
VGGISLLLSGFTVGNANAGGLIGQAVLGTIGVFIGMLFVYKTGAIKVTPKFNRLTGMV
GVLVLVLGNVWALFTGGASPLRDGGIIAIIIFSLFCIGLAAFSFLSDFDAADRLVREGAP
SKMAWGVALGLAVTLVWLYTEILRLLSYFQNR

>RXN01574 TRANSLATE of: rxn01574.seq check: 7504 from: 1 to: 1035
MSNKRIGVVIVSYGHEQDVANLVDTFADQLKTGDRVVVDNRKPWVLKDAVGERLEKHGA
EIINHONGGFAAGCNVGAHIVDDVLLFFLNPDVTIDPTLFNSLRRVDEQWAAFMPYL
LLPDSTINSAGNALHISGLSWVTGLDEKPEGSSEVTDISIASGACLAVRVDWWKRLGGM
EELYFMYHEDTDFARLLLGGRIGLLHSAVYTHHYDYAKGDYKWIYIERNRHVLLLSVL
PLPLLFVLIPQILGVNLGLWAIAAKEKRVGLKVSLRLLIRDLPAIFKLRRSTQELAELT
PSQYLAKMEWRLDNPNLGNIGSNKIVATGYKTYKLCMSILKLLA

>RXN01589 TRANSLATE of: rxn01589.seq check: 4956 from: 1 to: 1020
MVEQIKDKLGRPIRDLRLSVTDRCNFRCDYCMPEVFGDDFVFLPKNELLTDFEMARIAK
VYAEELGVKKIRITGGEPLMRDLVDLIAKLNQIDGIEDIGLTNGLLLKKHGQKLYDAGL
RRINVSLEDAIDDTLQFSINNRNIKATTILEQIDYATSIGLNVKVNVIQKGINDDQIIPM
LEYFKDKHIEIRFIEFMDVGNNGWDFSKVVTKDEMLTMEQHFIEDPVEPKYFGEVAKY
YRHKDNGVQFGLITSVSQSFCSTCTRARLSSDGKFYGCLEFATVDGFNVKAFIRSGVTDEE
LKEQFKALWQIRDDRYSDERTAQTVANRQRKKINMNYIGG

>RXN01590 TRANSLATE of: rxn01590.seq check: 4837 from: 1 to: 6447
WGQKDHWGKAPLGDHDAVRIYRQAEALMKQRAANNKGLDLNDEATYGAIMFASFDDAFAA
DAEAHGCVHRPQFAKVTRRNILNSPQYTAIKSSYDALVQDDLVAQQQQAQALQQAAYEQE
QAAIFQARDQATFQAEQTLAQESVRQSEGVGLPVIDPMESYFREYAFYEGVEMFGTWGTH
VDAGVSQFSTSDGRAIRALVDEHLATYEPVEQRGSTQAFFASVNAFAEVAPHAAPMFA
IAREGEGSKGYQALRHRFDKMGVTAIGPNGLPEGPDLGRRPLISPYDPRWSDREVVRVH
GTKLLSLSEESVGMIRDLDLATIHLDNDVYEGTHREDDTKGGVRPLTQWVNGEAIWRT
ITENDQMRLPNIGQFMTAKEYRAAASWLRAGLIDTADVASKIDPNKVMSDEGIARSEAI
LTYLSDEGVDFRIEPPDREPGLKVRIEGRTRIDRLTDTRANEQWVGRVYDSGTVIKYSAE
QTAEERLRARERMENGDTWTPATDYEPSPTTEVVDLVKFALGREVERQDGKGLVGPVNAR
HPRALEQAQDAYFTKNRSFVMVREGLSIVQDARDRSAGPGKWFNDNEAKASEWLGNNIALT
RARVAEELGVEELIALSAQYADDDPDMFPAFAGEDELMAIKQDYWAMLRGEETDLLNPGVN
RDDYMAAIRDGDHEQIAAMTSAMNAVTVEDRVQRHAALVLDYVGTVEPDVPTGLRFNPV
TVAQHMPSAKSLWSNHDDIIAALRATSITGDELRGDEFYNDVINQQLLKFNPEAQKMN
NPDLDPQLARFGTVIAETISRNGADVVDIAVDDNGVVRWTAQRRVGAKDSRAVDSKGQVR
GERTRHVQGEIGQIFTRGEHGEIVTKFNGGENYMFAPGYTASVVPQKPGETKSLEERTKL
KGYEQVMSEALVYRVREDLMFTERSRVGATTSINSAYKRLYDNRFVDFERSAEGLSD
EWRAALLETASLRVRYDNSIRDGANVMEDIRAQQRGFARNDNSRDALVLTGGRNISVLD
VDAGKGFDPMMTGMAANQGSVRYLLPSAKVGADGMITPGDPADRVPAAPHESWAMGFD
PHDRQNMTFSNIMQASAVTGGARTAMIQLGGWNFEDGIIVSADFANTHVIRDTEDEMRPL
VAGDKLSDFHGNKGVTALVVDPAUSDADARAAGLESEVAFFRDNPDLEVMSPFSAISRF
NGGTARELMTNPQDVVFRNNDGSTRVQPGASGDLNFIVTHMAVDAKTNVYDEEAVREGQG
RKASSQLAWVLQAQECHEIMEHFYGNVVSALANFQYELRVTLGLDVTPTYGELREGFSSENE
QRNIIEMPSIYDENGELNNRVNRAQVREAFVEQISRAGGVMEIPFQLQLRNGAQLEESPN
NPDMYQLPLLSPHLRSDLDLADGSTSRHEYTRYMAIFDTCYKLAEEQAKIDALRQEEAQ
HGTLPRAAEKRLSESQKFVDQAQKKVQASFDGIANDIVASRIETKNNVFKDGFMSARQSH
SATAVWTGDPRLSVDEVAMNSSMARELGVLNDNGYAMVWRDPVIRDGGVRYLRVVINDDLH
GVAVNPVSVKSFDDGDFDGSVGLVGNLPPKAHEEALSRLTVEANMLDLGDGKRMEDGTMF
YGLTLHDSLDVQVAQHHPAMAENMKVIVSELNRYQREYEAGEISREELLEVNRAHMDL

NEHYAQAFANRDGLVTLRFDGMENHMASVAQCFTGAKGSPGKLKEYATYIGADPAQGFK
 DVGQPTPEALRSHYEGSQKATAIKVLFITGVAGKKEQEMVALCRNLGLTKEAMAASAPAAQ
 SILQAKHDPIDALYRAETLMGPVGDLYQGRKMRRGENEQGRYEWVVRDENHQPIQATKD
 EWWQQYMEMYADDKMGVSVGVQVEKIAEEFSDEQGYMRVLSHDELPTIKPLALDQLA
 YGDKKNRFDLLCEMAKQQVNIYDGDAYDFAPRVVRANMKAMEDAARFGIPDVEIQSISAQ
 QSLASFERVFPQRSFRIERRVPAEVTGTGIAAPAPLPDAGVQGNVQQQVPATPPVMPVTP
 PAQQPVSPAQTDFRGVQPLDQGGKIGNYGHQGPAMGAQQPVVPQQQNIIPVHNFPVQNS
 VPPTPVVPKPGTGNPFETHGGANNQFMGRFDTSRYNQQEPPQRQDGGFEL

>RXN01592 TRANSLATE of: rxn01592.seq check: 5848 from: 1 to: 1302
 MADNFDRSRDNRSSDRTPRGDRGDRGGYRNSRGNDDRGNYRQNRDGESRDRGGYLGDRR
 DNRSGEYRQRDDRRDDRRDNRSDRRGGYRSDRNFDDRNSNMRDDRRGGDRSYRNRDRSD
 RGYRSNDRYDRNDRDDNRDTRGGDRGDRRYDRDDRRDDRRDGGGQGRPGGDRRH
 ANRAGAGRDQQRDSLHPQRAGFREERLNTRLNEPDLPGDIDIKDLPLVLQDLKVLKSDN
 ADAVAKHMIMAATWLADDPQLALRHARAADKDRAGRVSVVRETNGIAAYHAGEWKEALSEL
 RAARRMSGGPGLIAMVADDCERGLGRPEKAIELAREEDLSSLDQDNLIELAIIVAGARHDL
 GQHDSAIVELQKVNPSLKSTGFTHSRLSYAYADALVLAGRGDEAREWFQHAATLDEDEGYL
 DAEERIEQLDNGNN

>RXN01597 TRANSLATE of: rxn01597.seq check: 4048 from: 1 to: 1182
 MSLFNRKADLPGLQGATRICTPQKGKGLKRLSEGDLAIIDAPDLSRTFAQRLLAAKPAAVL
 NVSRFTTGSVPNFGPQMLIDGGIQLVEFGQELLDGTDGKGGKGRLTEDGQLFYGERLISN
 GSVLSGPAENAFADAQQSLLDRMEAYFGNTIQFIHSEAPLLIDGLGIPDTGNAIEGRKV
 LIASPGDNHRSRLKELRSFIREYDPVLIGVDGAADTLVELGYKPALIVGNPTGIGADALR
 SGANVILPADPDGHAVGLERIQDLGIGAMTFPSSVNSSTDALALLADFHNPQMIIVNVGGP
 VTLDGVFENREDSIPAALLTRAKLGTCLVDGVSIAVSLYTVRSSSNLGMWALLAILVVLVLA
 VVIVIAGTAGSGSFTDNLIDTWNFSALTVQGWFK

>RXN01598 TRANSLATE of: rxn01598.seq check: 5340 from: 1 to: 963
 MAKRRRGAATFAALGFGAAAGIAFGTYVLAPNLPENIDPNAPTSAELVEAETLAEVNAV
 QADQADSIIDHIVEDVVGATLTDRPVLVMRTADAEESDVADVSWLLQAGAINAGSITLE
 ENFFSQDGADQLKSIVANTLPAGAQLSETQLDPGTHAGEALGAALLNPNPETGEPLASTAE
 RGLLLNVLRDNGYISYEDGTILPGQVIVMITGDSGSGDGAFAAETQSLFARALDAQGSG
 VVVAGRIHTAADTGVIQRLRANPDAAENVSTIDSVNRTWGKMATVLSVREELAGRSGAFG
 SAASADAASPSLDGTAAAPAQ

>RXN01618 TRANSLATE of: rxn01618.seq check: 189 from: 1 to: 384
 MIIIGAVFAILAVLLHVFIFYMESFAWTSEKARGVFGTTEIDAENTKEMAYNQGFYNNFL
 AVIAGVGVAFLFAGSTGIGAALALAGTGSMLAAAVLALSSPDKRGAAFKQGTFLPLAVV
 FLVIGLLV

>RXN01634 TRANSLATE of: rxn01634.seq check: 2339 from: 1 to: 552
 MAVGQETDLLNAMETLAGVPSDLVVTEILPDTTSYDNFEFFEVHNTGSAPVTIGEGETYF
 AYSFDDSDATSRDKALDLGGEVTVDAGETIVVWIEYSSSTVDTAAFSEQDFRDFYGMDS
 ARIFRATGQAGLANGGDRGIRVLYNGEVSGWSHYPSDSAAVQKGIDFALPKVGEQASIAS
 AHQN

>RXN01635 TRANSLATE of: rxn01635.seq check: 47 from: 1 to: 741
 LIPGGLDTPPEEPEAPEDSLFEGRTPPRDASTRILITELMVNSTNMGSSDGFYVEITNTT
 AEPIDFSDYTLNLYLPQDEFTNTNEAVWAAEPGDVIIQPGKSLVFWIKNGPNDEATAADF
 NAEYGTNLEAGKDLVEISSGGMANGTARGMQIQTNTGHIVNRGFYNMAGASDVKANEGHL
 FAVDESDDLKQTLVGSGAPTPTGTVYTSQIPNPLSAVIADSSVPLITDNTATSINPAEPFT
 FAFKYHR

>RXN01638 TRANSLATE of: rxn01638.seq check: 2292 from: 1 to: 900
 MSTQTITITVLETATIFDGPETIYRYDLAAEGILDGWAHSAVLQVQKIAGENWPTVEIV
 VDGTDNVVALTSMFASKGVTCGGVGVEAPPVAAEPPKIKRPTSGKQVRQFYGIKPLHLL
 LVSILVGSIAGIWVISGFTGPVDSRPVDKVAEISTQGETSISNQPPQPTVLVTEDELLIE
 APFGFEMRSDEQSRYLEGPDNLRIHVGVDPHGAADALVAEELRRLITEDPSLEEIPAG
 EWGEKTTIDYRETPGDGSVHLVWTFDTRQLNVGCHSKAAETLVHKAQCRNVIEHLTLK

>RXN01647 TRANSLATE of: rxn01647.seq check: 6883 from: 1 to: 1170
 MGDVRMIHDPLGRRRRRALVFGVVACVMLAVGSLALAI FRPAKDPADAPLIRSESGALFVQ
 LDGSVHPVANVASARLIVGEPVDPVNASDAI IAGMPRGVPVGVDPADPGLFSSTEEPEQDW
 FVCQDVGTDGLHITVPRGGLGPTLIAEGNGWL GASKSETGEVTWNLITADGRRELPAWGS
 EHGRIMRRHLGISEDTPRVYLTTELLNAI PEHDAVRFPAPLPELVDASTRNWLRDGLA
 EITPLQRGLLIDAGSGVFDPDPTALLGVHEETANTLTLPEQTVSWQDLDGGFACADGEGQI
 GFLETLESGVALSGDSRAKSFSTNAGGAVGVDSGFGYVVVSDFGLMHPVSTGESMVALGI
 TDVQVVPWSVLRLLPQGSELAKETALAPTY

>RXN01658 TRANSLATE of: rxn01658.seq check: 7999 from: 1 to: 1833
 DPQILSPTFTQQQQLRNFYGFDPQLAMDRFEVDGKLRDFVVAARELDENALQQNQDWIN
 RHTVYTHGNGFIAAQANQVDEVARDVGSTRGGYPVYTVSDLQSNARAAESEDAAELGIKV
 DEPRVYVGPLIASATDGADYAI VGDGTGDPVEYDTDTSSYTYEGAGGVDIGNMVNRAMFA
 LRYQEMNMLLSDRVGSESKILFERDPRSRVEKVAPWLTTDSKTYPTVIDGRIKWIVDGYT
 TLDSLPHYSTRTSLTEATQDAVMPDGT PQPLITDRVGYIRNSVKAVVDAYDGTVELYEFDT
 EDPVLKAWRGVFPDTPVKDGSEISDELRAHLRYPEDLFKQVRDMLAKYNVDDSGTFFFTNDA
 FWSVPGDPTAAEGRQELKQPPYYVVAADPETGESSFQLITPFRGLQREYLSAHMSASSDP
 VTYGEITVRVLPTDSVTQGPQQAQDAMSSDQVAQDQTLWRGSNDLHNGNLLTLPVGGGE
 ILYVEPIYSQRKDQASAFPKLLRVLVFYKGQVGYAPTIAEALSQVGIDPKEAQDIEEVDG
 TATTPSTDDETDTDTQPATETPTAPVSEAEGIAAINDALSNEAARDSSFEYGRALDAL
 DRAVDSYQSAQ

>RXN01659 TRANSLATE of: rxn01659.seq check: 8569 from: 1 to: 546
 VAGVAQRFVDERIHVGLDSMPEAVTAVWMESDWVLAETIKGSTPSDWEEILRPLALLTDA
 SFTLPPRSTRAQTLDLKHLEPSRLKPEQPEKPAFTPNASEEDLSQPLVIRPEEPLQMPVR
 GVQESRGVVEPRSLGADDVESIAEGDPERPSDLYGTRVLRDLNGQSSIFQDSTDADDEPPK
 KW

>RXN01663 TRANSLATE of: rxn01663.seq check: 7844 from: 1 to: 858
 MEISVLIIAALILVAGIVLWRADSSKQAAKKAESPVGSAVAPVVLVEEEDPDEFEPDLP
 EPEAQPEPELEVAPRFAPEPVQDLEPDQAEDIYFDDSPELDADVENALAELETEVEDYPEE
 PVQSEQPQAPATAEVAADDEEQRGVDKHSFLSSLPQSRRERRRNWAAKHHDFIKEDAFLT
 DEWSRGAASTGAVARDVVSGMAEGYETHLVLAGVPVMAMRRGITSDVVIDARRGEQPAD
 PEREESDDLVEIDTVSGFRLLSTWRGLRSVLSTSAFTSVWI PCQKL

>RXN01669 TRANSLATE of: rxn01669.seq check: 9448 from: 1 to: 915
 LYEIFVPHSHDTADSIDDAMEANSEGIRALKFSLVLMLLTTVLQAIIVSFGSGVALLADT
 VHNLSDALTAIPLWIAFILSRRAATQKYTYGFNRAEDLAGLFIVAMIALSAI VAAWQAID
 RMINPRPMENIEWVIAAGVIGFLGNEAVAMYRIRVKGKIGSAAALVADGVHARTDGFTSLA
 VVAGGVGVFLGFPLADPIIGLIISAMIA TLVGTIRSVGRRLMDGIEPELVEKATHAIWH
 VKEIESIDRLRLRWVGHRLHGDATVSTSTSSLSEATAIALEAELSVKQHLPNVDEMTVTI
 TPSKP

>RXN01672 TRANSLATE of: rxn01672.seq check: 2451 from: 1 to: 342
 MASREVSITRISPLATFRVALAMSIIGLVAWIICVTVLYFGLNVAGVWQNFNDVIGGVGA
 EQTITFGLVLVLSISALLGAIGAITVAVLAPLCAI IYNSIVDLFGGLQIQLEEV

>RXN01694 TRANSLATE of: rxn01694.seq check: 8929 from: 1 to: 900
 MQKITPNIWCOGTADAEAAEFYVNAFSEFPGGAEVLTTVKYPEAGLLDFQEPFAGKTLTVE
 LAISGFKIILINAGEEFTPNPSISFMVNFDVARDENAKEHLDAVWEKLHEGGSTLMPVDT
 YPFSEYYGWVQDKYGVSWQLMLSRPEEKPGPAVIPTLLFGGAAQNOAGPAQENYVEVFPN
 SQLGDRAPYQQGTGPATPEALMFSQFQLDQWIFAMDSGVEQDFTFSEGVSLMYEAHQE
 ELDAIWNALS AVPEAEACGWLKDKFGVSWQIVPDNMEELMAKPGAYEKLLAMKKINIAEF

>RXN01696 TRANSLATE of: rxn01696.seq check: 7405 from: 1 to: 1179
 LSTPIGLGLPPTPPPVLAPRRKTRQLMVGKVGVS DHPISVQSMTTTTKTHDINGTLQQIA
 QLTATGCDIVRVACPKTVDAEALPIIAKKSPIPIADIHFQPKYIFAAIDAGCAAVRVNP
 GNIKEFDGRVKEVAKAAGDAGIPIRIGVNGGSLDKRILDKYHGKATPEALVESAMWEAGL
 FEEHGFGDIAISVKHSDPVLMEAYRQLAEQSDYPLHLGVTEAGPKFMGTIKSSVAFGAL
 LSQGIGDTRVSLSADPVVEIKVGDQILQSLNLRPRKLEIVSCPSCGRAQVDVYSLAEV
 TEALDGM EVPLRVAVMGCVVNGPGEARDADLGVASGNGKGQIFVKGEVIKTVPE SQIVET

LIEEAMRIAEEMDPEVLAAASASGMKAEVKVTK

>RXN01697 TRANSLATE of: rxn01697.seq check: 2521 from: 1 to: 957
MFQGLKELTAAGKRTLLITVTVGLIAVLVTFLSALTAGLGHQSVSALKYLAGDNELILAD
SGSTTLSASTLSDQAVAQLEDEGAQMLWQVRDRVADTPTMLLNSPDLPAGEVSLPAELAD
SELATAHDVVDSSNDLYLDHLPVVLMMNTSDLASLAQVRGVTGPAGAFASDVALPSTVAL
SGSERWNASASYQGEQMSLNLMIVMMLYVISALVLGAFFTVWTIQRLRGIAISSALGAARR
VLIADALGQAIIVLGIGITAGTLITVISAFGMGDAMPVVISSTTLFFPALILAAAGLIGA
AISLGPILRVEPRSALMNA

>RXN01701 TRANSLATE of: rxn01701.seq check: 3619 from: 1 to: 372
MLSHEEIVAI AEDLLSKRYGGVQTLSDVEQLNGSGTSAVLRARVANSFLLQQRSVVLKYV
PSTGDVFDSSALVREIVSYQFTTSLSEDVRPGPVILAYDIDKRILVISDSGNGDTFADLI
DQRP

>RXN01703 TRANSLATE of: rxn01703.seq check: 3504 from: 1 to: 1113
VAWPSNAKEKLFHWHYWWQAHYLDCLVDAARRRTTKARRDRIRDTIRGISVRNVGKLTS
NRYDDKAWLALALGRAGKVRKVRTPKSLPSLEQNIVDGLDGLVMDGLRMRMHGPELVRSIHPYCQGVA
IGACLEIALKLRERAGLTTTVVDHWSADKAEDSLKYFAHIHAVVQAVSRKMTNFGHVID
WDTGDGDDGLFKGILVRYLADVAILRPDDSPNTRETKKIAARLVLESAESVWNHRLEVDG
LPVFATDWTTDARLPQNFGLSSSSLSDLVSVRVDERDLSVQLSGWMLMEAAAKVAEELE
NNGNSYTGSR

>RXN01709 TRANSLATE of: rxn01709.seq check: 6991 from: 1 to: 432
VFEQALGLTTLAQTAGAGAAGGLGFMAALLSAGMRSGVDMILNETGGEKMLAQADLVIT
GEGRIDAQTLGSKAPTGI AKRARAKGIPVLAVCGQSLGPAISNELFEDIYSFTDFESDI
NECIRNPLPILEGIGFNIAKHHL

>RXN01711 TRANSLATE of: rxn01711.seq check: 1589 from: 1 to: 1158
MLLMAHRFFVLAINGAVTDDFTTVYSALRRFVEGIPVYNEVYHFVDPHYLYNPGATLLLA
PLGYITHFTLARWMFI AVNLLAIVLAFGLLTRLSGWALRSMVWPIAIALAMLTETVQNTL
IFSNINGILLMLAIFLWCVVHKKSWLGGVLIGLAILIKPMFLPLLFLPLVKKQWGSLLIL
GILTPVIFNAVAWFLVPGASEYVTRTMPYLGETRDFANSSLPGLAIYFGMPTWMEITWFL
IFGAMVGLAVLALLRFRNTEPYFWAATTTGVLLTG VFFLSSSLGQMYYSMMIFPMIFTLG
SRSVFHNWVAWVAAYFLLSPDTFTSQRLPDVARWMEFFSATVGWGLLIVVTFVSALIWFI
GDIRAKGTPSSPITTDPTHDLERTA

>RXN01721 TRANSLATE of: rxn01721.seq check: 7358 from: 1 to: 1023
VLVDRFGRIARDLRVSLTDRCNLRCTYCMPEGLEWLPTEQTLNDAEVLRLIRIAVVKLG
IRQIRFTGGEPLLRKNLEDI IAGTAALRTDEGEKVHIALTTNGLGLDKRIAGLKEAGLDR
VNISLDTIDAERYVSLTKRDRLSGVLASIDAAVAAGLHPVKINAVVMPGVNEVDIVPLAE
YCISKGSQRLRFIEQMPLGPREQWKRGMVTAEEILARLEEKFTLSPAKEPRGAAPAALWN
VVDKSNPDITGQIGIIASVTHPFCGDCDRSLTDTGTIRNCLFSRTETPLRDALRDGASD
DELAQLWAGAMWEKKPGHGIDDEGFLQPDPRMSAIGASPYQ

>RXN01734 TRANSLATE of: rxn01734.seq check: 3461 from: 1 to: 534
MTDPIEQAFERIRAEAMRRNGSV PDLNKNDAFRPPAPKGGVEKRKKGRASGLDGRQKRY
VRGAESLGSVLNKEIQRRGWGKDIAGGWVTSNWEELVGAKIAQHTRVEMIKDKKLFITCD
STAWATNLRMMQRQILQVIAEKVGPNIITELRIFGPQAPSWRKGPLHVKGGRGPRDTYG

>RXN01742 TRANSLATE of: rxn01742.seq check: 7621 from: 1 to: 504
MQEKPEMPAIEVIRSAKRTKTQARIVDGGIQVRIPARMSKAEEEKAVGEIVAKLKRRTQ
SAVSSDADLIERAHKLNTVLEGRARVESIRWVSNQKGRWGSCTVATAEIRISDRCLKHVP
DYVLDAVLVHELTHFTFIAGHSAEFWEWADKTPLAERAKGYLEAYQRWG

>RXN01754 TRANSLATE of: rxn01754.seq check: 1605 from: 1 to: 1941
VKIKSVFLSTALSASLLLGITPPVLGATINPSLPLSALSSSDDIAVPNFAKELPLAFDVP
AGTVPQSLSGTLQIPAEFSGGVVEFYDGDRLFHTLRLEVNDRAHIEVPLQSVVPVEDGRA
TFWLRLMLDPVNNQWCYEEQEVRFLDGNVTFEGATINPAVVADYFPSVLRALTIYVPENP
SEAVQEATLEVATSLDSVYRRSGLDVNVETLPTGTDPPTRPQDQFERQIVLVDEATESNT

QKTELVPNGQDNAFLRLNGNADELYDQARLLTDATLPLAVDTEVTASGFGDVPNLSTDVA
TLQELGITQLTSESVAARTSVTLGIERSRLRTYSQSMDLHITGTYPPLPPQNAQGITFSIG
DTVLDSLTTDDTGIIDREFNVPGLDNLRYTAIVVEFTSTGDNVCGVTQPVGLNIDSDSLV
TSQHSQDVPVNLGFRSLPQSFQPRVDVAFADPSVQELSRVSVVLGIQSMSSQIRPHLVN
WDEAVASERPTIFIDAAGAKTDQVPSYLAQQGQTLEITSKNQDNADGEQLTRSLQTNAAAL
VVGSIQAVWDADKKRTVIVASSQDNPPDLALISWMGEDRERWSDNLNGDLIVKVRDREPV
QLTTVEAPDQPGRSATAFIAIGVSLVIALIVAIVSVSRRSQKGYK

>RXN01761 TRANSLATE of: rxn01761.seq check: 9482 from: 1 to: 4464
VTATVLEPQPVLSEQDVDAEIAARMELKHNRHKTWRRRTMAVVMTELLISVGLSFGAFGNK
EREANAFASAIIAQVVGAMGEVAFEAICPSDGDTEMLLKICITENLGEMHIEKCLEAEDV
LKCFYDAKNEEQKEQNLDKAPDYSMYRMASAMASFYGNRAATAGVEEGGPNEFLDSED
AGLKVWEGILSKAANGGNVLGYADAKHNEDSGWFFGNGVANNEKTYSDSLADHAFQGPY
HFALFGATLSGLGFDSSKAEDSQTDFQQRKGMGYAMMIAYIISGGIDLVTNVLNIST
NPFRLLVGPVSQNTNKTFTENMAGGQTTEGTTFEGMTDFGLIYNWSVTVGWLGIPVSI
GLFMMGALMFRMDKGSFAKKVIRVVYGVVGLPLLGVSYTGALDSFLDSGSSTSAGSNA
TKIVLSTYVDFQSWAENTRMVRPDKVTLWALSLEDQAPTQSMRMVRNSALEINAQSNESF
TTFKNPGSMDLGYSMDWMEKMADPANSMTDGTSSSSATTIFQGTIALLSRYIDNDSISSG
SFETSIRSAMESLTSKEGSGEAVAGGDMVAVTGYNTASGLNEITAAELADANNPLLEVS
DSAGLQGRPIDRNASVFKSGDATASCNNSVVTGSRVAVGDYRSDCNMSPLTMYNFLNTSF
HPADASVFSTSTSSASSYTRASHSAVSLIGSGAMNFVYWFSAVSLMGSFIVIGIGYAGAML
FNTIRRTLSLIGAVPFAAMGFIAGVAKVIVYTIAMLEVEIGTIILYQLITRFLMAVPALF
EQPLADSLSSNESAEVLVAGAGMGLVGMALATSGNWAIAAGMVTIVASSMGVITFTIIMKV
RGSLSVSGVDETVTSVINRFLDTQVSSAGATSGDGMRRAAATGLGIGATHMVLNRDGDGG
GSDSGSGSGSGSDSGLGEKAAGLAKVVTTVAGAGLVGKYATDALDNYADGVINGDGDGA
FAAGGDATVDGDYVADGDAIASADANADFVDGVVDGAGRASFSAAYSSDGTTLDEGAS
VDAQGNPLHADGTPMSAAEAEMKMAGLSSSGTMMKSGVKSSGITTAADVMDQSLASSV
TESGLSKIPTYGADVSGAAGTVGTTGADYSATDSSAGLNMSAALQSGTPMGALAGGSV
SSSDQAMNDAALQIAASQGLAPAGSIAGMEQLSAQATEAPAGKAGKQLGDLSGSALNTQL
ASMGQQVGDVSNAYAAAGMGVDVAGKVTEAAQHLSQVPGQIQNAVNTADAGSSGASFG
QMAQGAAGIAGVAGVIGAAGAASSAAQAGTVQAMGNAAAGAGMINNAVSGGATGSTGA
AHVVNASHGVPAPGQAHYQESGHAQAFVQNNQANTAHNTANTRAPSSAQIMGANVAGSLAS
QAVRGIGQPGQMGANVRDAMGGSGRSGRGATQGGRGARQSGVSAKNGIRARQGRQKPSV
TGQAMNAAMRSAVSGRMANMDGNSVGGTEADPQQSGSVTEKGDGKGVK

>RXN01765 TRANSLATE of: rxn01765.seq check: 8067 from: 1 to: 942
MSNNVVKYECADVDADNIVAVDMHVHLEVDSCGHKSMPPADIMAASSKYFKTAERTPSADAI
ADIYREHKMAAVFTIDARTQMGLHPLNSIDDLVASCARNNDVLIPIFGSVDPRTGEDALVE
ARRQVEELGVRGFKFHPVQGFDPSPAPEFYPLWELLESFGLPCVFHTGQNGMGAGLPGGR
GIKLRFSNPMLLDDVAADFPLNTIIMAHPSVPWQDEANSIATHKANVFIDLSGWSPKYFP
ESLVRQSNVLSKKVLFGTDFPLITPEKWLAAFANLPLKDEVPRGILKDNVAVKVLGLAAS
TERGSQAEKVQHA

>RXN01767 TRANSLATE of: rxn01767.seq check: 5940 from: 1 to: 465
MIDHKLWFNTVTNNASVREAAGKCDIPIRTLNEQLNRRILPEKTVIALARAYDLSPVDAL
VRTGHLTEEEAGSREEDASPDASDDYPTWALNSHLDYGILGAFGDIAEEVNSERVNRDNA
IEQIRAWLDELPGSLFNNLRSTKTGYIELFETYLD

>RXN01769 TRANSLATE of: rxn01769.seq check: 4062 from: 1 to: 441
VTGLLGRAPHSLFFPIGFYTPMTSITTTDTPLYTALPHTRISDAELLTPTTTVHEILVY
GPAECPGCTATLDDFFARKNMPATKVTVAAAGDVAHTYITQDLGYLQAPIVTVRISSASNH
DNEHNTQILHWSGVNRYLMQALSRTHF

>RXN01771 TRANSLATE of: rxn01771.seq check: 4536 from: 1 to: 702
MHQAGQLINDPSQGLWRTSALRSPVARVGHAVLRQRAGEISRMQGREFSRPGDQFRQVDL
RRRLIQVHPQSIPTADAMAVTITMALTAATIDPVKFVADSQNPDEEIIYLAQIALREMI
AMPLEDFIGVRIDLEPVLVAAQAAAKNVGVEVSSILLKDLNLPQEYSGALQESIVAKIQA
ETDLERARNEVKTTTRARLASAKVLEQNPIAKIRMIIEALPPGSTIEVREGDSKA

>RXN01774 TRANSLATE of: rxn01774.seq check: 7116 from: 1 to: 726
MSPNFQARGTTAPTVALSMRQIAHIREEIKKSPLAASVFITPTTKQMVVRDLESLEFQQLY

HTDLPEPSIKDSGLISAIGSSAGNTNNPALALETQMAYHLVLMHHTDVATWHKVVTKNI
TESAAAQDAAVEHS AKYDAVYDAAQLMGITVEEGNVGSIAIAFSTARADGKSDWCVSGIS
RYIEVTEALDAARAVTKNTDALNKTALPDVQPAPVVHSAQFMNKSADHGVNTAEKDQPT
LF

>RXN01787 TRANSLATE of: rxn01787.seq check: 474 from: 1 to: 693
MSNNALLVANEADIGLYLHWNGGRDSIEAFLAYAAAYQLPPINENNDWLPPFITVLKNFF
GNDGSGVYLEPVNQDYLDGIDYDNGVYMLDDYEITERINPPAVEQDSHDLHDMLIKIDKA
QPPVDQLGSFLHGLETSVADLGVGDRVFLPRFSTFDKKLGRYRIHTVLGFAENDPFNPMT
SSERFKGKPYVDMFDNQDNAPNPNSYITTDTVRIVVDPVPETNPDPDEKAGR

>RXN01796 TRANSLATE of: rxn01796.seq check: 303 from: 1 to: 774
LLLGGNPAEIDQVLGGDQTQIESGESTGAGDFDHCQTGADANASDDCRLYYTSFSVNEMW
QTLLPAQAGIEYTEPTLTFLKNSTQTGCGFASASTGPFYCPSDQDAYFDLTFFDQMRQFG
AENAPLAQMYIVAHEYGHVQNLEGTGLSNYNPDGADSNVAVKIELQADCYAGIWANHSS
EGPDPLLQFITESELDSALLAASAVGDDNIQQRSGGDVNPNESWTHGSSQQRKDAFLAGYN
TGQMSACDFLGRGVYNDA

>RXN01803 TRANSLATE of: rxn01803.seq check: 8304 from: 1 to: 960
MRKKKDGQNLPDFRKNPPKLDKKAYEKELKRLQALVDLQQWVETGARVVIVMEGRDAA
GKGSIAIKRITQYLNPRSARIEALPTPNSREKGQWYFQRYIEKLPTAGEIVIFDRSWYNRA
GVERVMGFCTSQEYRRFLHQAPIFERLLVEDGIHLRKYWFSVSDEEQIERFEDRLSDPLR
RWKLSMPDLQSITRWEDYSRAKDEMFHTDIPSAWYTVESEDKKRSRINVISHLSTIP
YEKIDRPLPEIPHRPDSESDYVRPPRDEFYRVPDVAHLEERIKKEEKAKKAKKPAKAA
GKNSDKQKSSGGKGKKKSKK

>RXN01809 TRANSLATE of: rxn01809.seq check: 4529 from: 1 to: 1176
MNEQEREAELEDALEEAALADELALEAEAGVQGSVEPYDYAADLDEDEFEDEDPFAQDE
PRDAGPLGELSSDNHVSEAVAEDTGTSTEEAQAEGSHEESVDNPRDFTGTATAVRSFRPR
LPVPNALRPGPPIRTQPAVNTDIDGGQENTAGATAADVGAGVFFGTHFELAFGQVDVHR
HIRHEQAMRDGHQDLSVFGADGAIMLEELKNRYQRPPENEPHDDDVTEMIKTETEKE
NVEMDQDIADVVDNVDEQVVVTPAHDAVSVAEQQVVAASEPTPEPVKVEHVMSVDLAG
ETITPIDQAIRSFMQLNGIEHSVVLRLGLMTQVAHNKELDEVYAKALAEGESHAQQQHE
LEAENERLKKEVDALAAELSAALMGEGGGDHD

>RXN01811 TRANSLATE of: rxn01811.seq check: 3834 from: 1 to: 681
VFEFDDTLAKDIQVDRTSMQVFEASETVKEAIKASIEQGHTRYPVILESKDNVLGYVTLP
DLIKQSYKDDQLTVEQLIEEPIVTTETIPIKLLTIMRKKGKHIAILKDEYGGTSGLVTI
EDILEEIVGEIRDDETDLDEALIAEQSDGSIISGKLTLDLDFQRYFHVIEIPEFEETNFTTL
AGFASSRYKEIKAGTIIETIASFRFTVLEYQHAHIDYFKVESTERKTE

>RXN01813 TRANSLATE of: rxn01813.seq check: 1579 from: 1 to: 666
MVAIVVVAIVVVGFIQVQGSKAALGDRDYEDTSLAMEVGSDSITLTSANTSADAKSV
QLFEDFSCSHCSELSLATDADMKTQIEDGNLVVEIKPLNFLDRENIDGHSTHALAAALAV
ADSNDATLYWNFRAFLMEDQSEIYNQWSDDDFADGVEALGADSSVVDIAIRNGDNIQRAYD
LATANGEELTEETGSLSSPRVLQDGKDVEGNISDWITTVLAS

>RXN01815 TRANSLATE of: rxn01815.seq check: 2232 from: 1 to: 792
MNRSTISPVEARQQFRAGLIQPTSGWSAGFAQANLISMPQDLAYDFLLFAQRNPKPCPIL
EVLNAGETFGGIFGSNATEADIRTDAPQYRIYAHGELIDSPASAVDYWRDDLVSFIIGCS
FTFEHPMVQAGVPVRHLEAGRNVPYETSLACRPAGSLSGNLVVSRLMIPASQVADAVRI
TSRYPAVHGAPVHIGDPSLIGDIDINNPDFGDAPLSEPSDVPVFWACGVTPQAMVMSSKP
PLAITHAPGHMLITDAPDLGFPV

>RXN01825 TRANSLATE of: rxn01825.seq check: 7373 from: 1 to: 270
MPKARVTKNETAPVSSNPSANRTPVKINSAGTPMWKVIMFAFMIVGLAWLIINYLVGPQ
IPFMADLGAWNYGIGFGLMIIGLLMTMGWR

>RXN01831 TRANSLATE of: rxn01831.seq check: 8077 from: 1 to: 462
MDSLVLGLLRIALLVVLWFFVLMALRAMRADLKVTGQASTSSSSVAAPQGLARAFNRSSP
PRLLTVVEGPLAGSSIEVSEDMTMRSPPECTFVVGDDYASGMHARVFKRGSEWFVEDLDS

RNGTFVGGTRIDQPEQIAVGTDIRIGRTAVRLVP

>RXN01834 TRANSLATE of: rxn01834.seq check: 6044 from: 1 to: 702
MLGGGGAILAIPLLIYGFSFSATQATAASLIIIGLGALIGLISQYAAGHVRLKEGLSFG
LGLVGSFVGSHLASNIPDSLLLSGFAILTLLVVALTMISKLRSTREYITRRPSILAI
TGVGFLTGFVGFGGFAIVPALIFALGFSMRQASATSLVVIANSAIAMGFRYSDLASID
WSVISPIIITTVLGAFIGVVKLAKKVKASSLQLGFAGFLIFISIMGMFQNFDPDLF

>RXN01846 TRANSLATE of: rxn01846.seq check: 4543 from: 1 to: 282
MSIPGNVSYVAQGGTGWGDADQYTTGESWDLQSFLNSTDYLMIIGGSLLALVGGAAV
GFVNVMRKLFGGQSGQIQWFTTILLIIVGGALP

>RXN01847 TRANSLATE of: rxn01847.seq check: 7155 from: 1 to: 735
MLIVLPPSETKTHGGSGKPLDFHHSFSPSLTKARQITLADLQALEVDEALKVLGISEKLR
PEAESNRALETSPTMPAIFRYSGVLYDALDAATLPEKALERLAIGSALFGVIHATDPIPH
YRLSGGKTLPTKSGELPTMKARWGTSISEALIDVNQLVIDLRSGTYQQLGRVKDAVTVRV
ESVMEDGSRKVVSHFNKHYKGELARVLALSEKEAHTAEDVMSIAQAAGLVVEENPNHKET
LTLV

>RXN01874 TRANSLATE of: rxn01874.seq check: 6539 from: 1 to: 348
VIAYVASACCLPFGAFAGALLSKELSGHLQERVLLTHTVINFLGFVGFAALGSLSVLFAA
IWRTKIRHNFTPWSVGIMAVSLPIIVTGILLNNGYVAATGLAAYVAWLLAMVWG

>RXN01875 TRANSLATE of: rxn01875.seq check: 5040 from: 1 to: 846
MRIAVTGATGSLGGHVVDSSLNKGVAASDIVAIVRNEEKAADLKARGIALGVATFEDEAA
LTAALGVDRLVFIISGSEVGQRVAQHTNVINAAGAAGVTFIAYTSLNLGTSKLALAPEH
IATEKLLAESGIDHALLRNGWYWENYESSIGAAKATGKVFGAAGARVSAAARKDYAEAA
AVVITSDNQAGKVYELAGAPALTYPEIAAGIGEVIGSEAEYVNSVVEEYQNALEQAGVPA
EFAALLAGMDPIIAEGALYSDSTDLQDLIGRPSTSIVEALSS

>RXN01877 TRANSLATE of: rxn01877.seq check: 5596 from: 1 to: 1071
VPLRLATGGVLTALLIGGVTAATKKDIIVDVNGEQMSLVMTSGTVEGVLAQAGVELGDQ
DIVSPSLDSSISDEDTVTVRTAKQVALVVEGQIQNVTTTAVSVEDLLQEVGGITGADA
ADLSETIPESGLKVSVTCKPIISINDGGKVTVVSLAAQNVQEALELRDIELGAQDRINVP
LDQQLKNNAAIQIDRVNDTEITETVSFDAEPTYVDDPEAPAGDETVEEGAPGTKEVTRT
VTTVNGQEESSTVINEVEITAAPKATISRGTKTVAANSVWDQLAQCESGGNWAINTGNGF
SGGLQFHPQTLWAYGGGAFSGDASGASREQQISIAEKVQAAQGWGAWPACTASLGIR

>RXN01879 TRANSLATE of: rxn01879.seq check: 6847 from: 1 to: 933
VKITAKAWAKTNLHLGVGPAHDDGFHELMVTFQITIDLFDTVTLTTLDEELVEEGSVVKQL
SVTGARGVPEDASNLAWRAVDALVKRRAEKTPLSAVSLHISKGIPVAGGMAGGSADAAAT
LRAVDWIGPFGEDTLLEVAELGSDVPFCLLGGTMRGTGRGEQLVDMLTRGKLHWVVA
MAHGLSTPEVFKKHDELNPESHMDISDLAALLTGNTAEVGQWLHNDLTSALSLRPELR
SVLQEGIRSGAHAGIVSGSGPTTVFLCESEHKAQDVKEALIDAGQVYAAATATGPAASTA
DQRGAHILTVS

>RXN01896 TRANSLATE of: rxn01896.seq check: 5243 from: 1 to: 636
MTHAILFDLDGTLVDHASAARAALHAWSPVGVDTDVERWIELDKWGFARFERGETTHLG
QRRDRIRAYLNRELDDATCDDIYSGYLKAYEQNWTAYPDAKGVLDRAVATGAPVGILTNG
AAPMQQDKLDRGTGLGLPELVMLAASLTLSAKPRPEMYARALTHLGARTATIIGDDWTNDV
AAPRELGNALYLDLRSGTDPRADIHSLDELPH

>RXN01899 TRANSLATE of: rxn01899.seq check: 7424 from: 1 to: 786
MSRTLWAVSDLHVTFAQNQNTVDALMPQDPGDWLIVAGDVAEKIPDVVRTLSALVKRFD
VIWVPGNHELNFNRKTRVNGKARYRALVGQLRAIGVITPEDPYPIFGGVITCPLFTLYDY
SFRPLGLTAKQALAAKIKLDELAIAPYVDIPAWCAERVITYTEDRLKATKGPVKLVNHW
PLVIEPTHRLFQKDIALWCGTTATRDWAVRFNALMAIHGHLHIPAETRVGVSHEVSLG
YPFEKHPPHMKRPWPFVPMQIN

>RXN01902 TRANSLATE of: rxn01902.seq check: 3503 from: 1 to: 1059
VQKKSRTGQTTWNGGPPIENPGTSFILSAGDQANHSSWDEHSAYISPETLRNYRLAVNNG

NHDQYNYDAYNAMYPRPNQVDENYFFEYNNALFLSLDSNDYLDIDDDIAFLRDTVAAHGD
DKDWIVLTYHHSTFSQAYHMDARIKYQERLTPVISELNVDLVLGGHDHIYTRSHLMNG
FTPVDAGREAVVGETLNPKEGVVYLATNSSSGSKFYDFYDFQLGQRYDTGLDFQETVDQ
KKIRTYTAVWNQDQVQDYTNVELTPEGLTVTTKDAVSGELVDQFTLSKQDRDEESEVPVE
DDKGDGNATGSSNLGLAAILAPVLAIFGFVGGFLVGGGSLAEFFANLGVKMPF

>RXN01908 TRANSLATE of: rxn01908.seq check: 3792 from: 1 to: 846
MHSDRFEHPDNGYGYTIRQDTDAENPMTHHDTKDAALWVHNRPRRGDTVADKPEGNEILD
IFAKFICGQHDNDNPFVWSDGSDASLIRTKAYVAEHHPELIFDISAKTITGYSQGDW
LDVVCVTTAATCDELIPADSLIDIYRQWAFGDVWTVIPDSQPGLAGIYADDPADALAYYQ
ENFEDEPIWDLRLSRHADKDAALAAASAAENHALARGTTPVVIRTQDIITNARYLMSDS
ADDNPEYDRALVELSAYLLSIDLDDRVAEAEMTILGRPVPEK

>RXN01909 TRANSLATE of: rxn01909.seq check: 5615 from: 1 to: 879
MANFRSKDKDGNVINPNASTKGVLDLVNVYDSAKHVTEKNTVHFVDVQVAQIPIDADGT
RANANLAPQTMPLHLDTKDGQRNTGVAYSDAQIQAMQTVAAQGRNHMTPLLSKDGETVG
YSMLVKADVMPKTKDGKSLPAVMNTKSLQPSGVPISDAMNIQQQFMAMVAMNRQAAEQ
KAAQATQAQAPQVAPQPMQNNQFQAPVPPQGPAYAGAPVYADAVAHATAQQQAAAA
QAPQAPAGNPFNPQPPAVAAALAPQTQPPAVAAALAPQTQPPAAQPMNEPPF

>RXN01910 TRANSLATE of: rxn01910.seq check: 445 from: 1 to: 846
MAFPLAVAGTVAPVAAGWAKDKFLSNSQNNQQAQNNQMSFGQVNSAQNNGSENGSGFMG
QYGNLGAAGLAGAATGAGLAYSDFEDGQSLSSKARNMVGKLAGAGAGVFTKLANDAIQAE
GGSMKASAYSAIAGGLGSLYKDGPGVKSAMASGAAGFGADKVHDKLAESGHEGLADSL
SGAIQGGGLGYSTLGGVTGAGIGGATGGLAGLAQNYFGGGDDYSNAGASASGFSANQVNS
EISTEIPQFANLQGPQRSELEQLALPQESRSVDKSYDQGYEA

>RXN01911 TRANSLATE of: rxn01911.seq check: 9256 from: 1 to: 939
VFIIGAGLPLLYVPIFVTIVIMVYVYALLRYEQRMSTVYEEADPVMEMDSVIWEGIKCDIA
SDIAARAEAKKAKKPVASDAVAVGNYIASLRQHMLVETQRRYHHKLRELHNDPAQLEDY
GSGRLDCECRACVVAQKLGVTVAHAGVVQASARKKDRVIGRADGIDVAGWNNHRQEAR
KTSAAKQLERDAQRKRTQAERDKIEIKRKAQEFVAEQSGKAAAQORRAEKKAQKQARVD
ELVAQKQAAQEQKTHCKRDKQRAKKAQGRKVGAVDNSAVDDVLAYAEKTRSIAGCRDDDS
VVHVDMAAGVRDV

>RXN01930 TRANSLATE of: rxn01930.seq check: 8516 from: 1 to: 951
VISTNEIENIHSTRDIEIALDESSTSEPKRFSEISHLYLALAEGKISFPESPSELRELY
DHLMHGELGKENELDGEIFRQGPVEIRDSRQKVIHSGFSPESQIIEGINAIKLAHSEEE
SNLVGIMMSHFMFESIHPFYDNGRTGRYLLGIQLSKILSPATALTSSAINQFRNKYYK
AFHAVEHRLNRDGTGTPFVISMLELLIAAQEGLIENIKQRIDFLASLEDAIKTLRGTSFK
NHQINLLYILGQIQFLGKDETLSESAAKFLKVSATATRYFRTLREMLVHEVSKRPLR
FALTDKGREIVGLEVKI

>RXN01944 TRANSLATE of: rxn01944.seq check: 9781 from: 1 to: 972
VRTATLHVTSSAGEAATTINLTEDDGSFNWALPAADLTGKSWFEYTVTATDGFNSVTTEP
VRVTVDGANTDPLRLNLEENQWVSGTTDVGASDVFGDKLELLIDDAVAVTNSLSAAPT
FAMEVTQTDVFFRNGILAGGEELRIFDQGTANTETISTPVPLYHINEDGTLTVSVYAGT
KAAPEIDLNNNDQFQIRNLRLILPDGRTLTPAGISDSNAWLNMGDSAGKLDFFDATFAL
PEDAFTGVAHAWDTTQSTDGEHHITISREDGGEISRTIRVDNTAPELTVSGVEEGQELRG
TVEIDAQATDAGAGVKSVELLDG

>RXN01945 TRANSLATE of: rxn01945.seq check: 3307 from: 1 to: 1992
VQLPLTTGSIALDKGEHTLVIRAEDVGNRTEKTITFSTPDENPISGDYAPSNGATVGVG
DVKLSARASDPGDTVKMTFLEADSPKLDSGRVRMSSGTVEDAGSVSRAEAKMLERGDVE
KLSSLDGLGMEVTSDAALPYQLFEVDAADALAADTEVRLNWAGSADGRAQVIMYVFDGEA
WVEVDRHLTGDELEEFLLQGVVNAEKFAIGGTVTVLIQHSEGFAGADHSTRNSDVTAAHP
DDVARSEYDFTLAWESDTQYYNEEFHEHQTNIDYVLAERENKNIQFMFHTGDDVDDWDQ
PAQWATANPEYQRLDDAGLPYSVLAGNHVDGHTSNDYTEFSRHFGQRYVDNPWYGESYQ
DNRGHYDLFSAGGIDFINVAMGWGPDDEEIAWMNEVLAKHPERVAILNLHEFMLTTGGLG
PIPQIRILDEVAATNPVSMIMSGHYHDAFQRTDSFDDGDDGVDRTVTSMLFDYQGLPEG
GGQYLRLLHFDNQGQKMMVRYTSPSLKDYNSDEPSLLGPAEDPNMYQEFVSYEQLGIK

EGRTLIGDSFSADFLTSNEIGIVDEVPSGTIAFTNWKDVTEGRHSWYVRSEDPFGGVEIS
PVQSFIAGEEAGGNAPGTGSSNGGSSHGLWGALAEFFAGAAALAGAAIAFVPGIWDYVNT
AFKR

>RXN01960 TRANSLATE of: rxn01960.seq check: 2689 from: 1 to: 318
MPQHFSQENYRKAPVIMSAPLTIHDLSTNSKLNKWLCTVLNSPNLTEPCITVSVNHT
EGMSLVSFEGGHGLTEIANTQLVPVLELPKFNPFELAIHLEAANN

>RXN01985 TRANSLATE of: rxn01985.seq check: 6664 from: 1 to: 1050
MRTSRVLGILAAATLTVSLAACSDSSETSSNSSAASQSSDVSNEAFPVTIEHAFGETT
IESKPERIATVGSNHEVPLALGVTPVGFEKVTWGDDDNNGILPWVEETLSKLGSDPEVL
FDATDSIPFEEIANTAPDVILASYSGITQEDYDQLSQIAPVVAYPEIAWGTSLDEMIEMN
SKAIGLEQEGKDLIADLDAEVASAIKANPELKDAKPVFAFFDESDFSQIGVYTSIDPRMS
FLLDAGVQEASVLKEHSSPDSFYEQVSAENPETFDDVDVIITYGTEDDAANAELLKMQA
DPLLSRIPAIAGEKVVFLLGANPLAASANESPLSIPWGINDYFAKLAEPLK

>RXN01987 TRANSLATE of: rxn01987.seq check: 9043 from: 1 to: 213
MTFPAQSRRLARSTTDKWIGGVAGGLAETYGWNPAYVRLAFVASVLFPLPGSQILFYALA
WLIIPSRENRF

>RXN01988 TRANSLATE of: rxn01988.seq check: 4185 from: 1 to: 426
MNMKTHPASAKQTTELRLLTATVYFKALNEVHNVMQIDPLTPVVPITGTSTVAELYADA
REHLNNGATQVMIPVISPSNLTLVVALGNEVDALGHSEGQAVHSLLEIHTPKRSWPLS
ELYIDDNEGLAQVSRCFARLVG

>RXN01991 TRANSLATE of: rxn01991.seq check: 5467 from: 1 to: 873
MTNLLPHFPSTDVAAWEPTVVYSADKTTATATFKNIPSDISFSWTGIEALEPFPSPGKTFE
HKVQGSVGEPAGAFTRDNYFTEGELYKHRHADDLLSGDGLFGPNITDGDGNLPSVDDGKD
GDDGSDGSDGRDGVVAIDVVDNADGTVTVTLSDGTTFTLDAGQDGKDGLDGLDGTGLTLE
SATPDEDGNITYVLSDGTEFTVRNGVDGSDGKDGKDGNGTDGVDGSDGKGLVEVSRVTN
DNGSVTITYEDGSQITTKPTPTNWLSKLLDLLPLFNFLGLGGGSVISSSK

>RXN01996 TRANSLATE of: rxn01996.seq check: 8265 from: 1 to: 537
MSKLTGTWTLDPATEIKFVARHAMVTKVRGEFTEYTDSDIVVDAENPENSSAKVVIKTAS
VTTGNADRDAHVKGDDFFAVDKFPEMTFEATSFVIKNEGTVTGDLTIRDTTKSVTLDV
EVGGVAEDPFGNTRLGFEASTEINRKDFGVDFQAPLSTGGVLVSEKIKIEIDGSAIKAA

>RXN02007 TRANSLATE of: rxn02007.seq check: 3631 from: 1 to: 633
MSSDAEKASVELSEKFHPERTHILGAVVFLGISLLVIGAAPQYLFWLLALPVIFGYVWLK
SSTIVDEQGITANYAFKGGKVVAVEDLAGIGFKGARTFARTTSDAEVTLPGVTFNSLPRL
EAASHGRIPDAITASKEAADGKVVVVQEDGYSVMSKEEYLERQKALGKPVQLNFDDDDTD
GNTTQTESVESQETGQAASETSHRDNPASQH

>RXN02014 TRANSLATE of: rxn02014.seq check: 217 from: 1 to: 507
MENIAEQAGVG VATLYRNFDPDRFTLDMACAQYLFNVVISLQLQAISTFPTDPEGVWTSFN
QLLFDRGLGSLVPALAPESLDDLPDEVSALRRRTTEKNTTTLINLAKQHGLVHHDIAPGTY
IVGLITISRPPITALATISENSHKALLGLYLSGLKHGMMANIGEHDGKS

>RXN02019 TRANSLATE of: rxn02019.seq check: 8826 from: 1 to: 501
EIPAGTKVEASDLGLQAIPTSLPSTSYDSIDDVVGLVAASTLSSGEIATKPRFVGTELI
NSIATNVTDSLSVEEINMVPLSLAEPSPVILLQHGDTISVVSQDPDTGLPENIAAGGTVI
LAGGTDPSLIALPQSI AEKVAAQSLNTPLAVVLTGDRADNYTTEE

>RXN02023 TRANSLATE of: rxn02023.seq check: 8728 from: 1 to: 768
MAPKQTPSPEKRNRLVG PVLQRRQTEGTFDQRLLEMRADHNWKHADPWRVLRIOSEFVAG
FDALHEMPKAVTVFGSARIKEDHPYKAGVELGEKLVAADYAVVTGGGPGLMEAPNKGAS
EANGLSVGLGIELPHEQHLPYVDLGLNFRYFFARKTMTFLKYSQAFVCLPGGFGLDELFL
EVLCMVQTGKVPNFPIVLIGTEFWAGLVWDIRHRLVEEGMIDEKDVDRLVTDLLDQAVK
FIVDAHAGLDVARLHN

>RXN02032 TRANSLATE of: rxn02032.seq check: 9048 from: 1 to: 570

MPFLQISLLSIGVAADAFACSVVRGTAIQVNLFKRALVLAGIFGVFQAAMPLIGWFIGRF
FAGITFIAEIDHWIAFALLGIVGTKMIWDAFQPEDDETIVDDGRVQFRPAIILGLATSID
ALAVGMGLAFVEVSILKVALSMGSITFALSLAGAWIGHHGGGKFGKWATILGGIILIGIG
ANIVYEHLA

>RXN02039 TRANSLATE of: rxn02039.seq check: 6804 from: 1 to: 840
KASISNLSFWTSTSTTAPLWLVGTLVWLVAVQAVMHDGELYHVEVPTIALVIGFGAQLLIG
VMSYLLPSTMGGGASAVRTGTHILNTAGLFRWTLINGGLAIWLLTDNSWLRVVVSLLSIG
ALAVFVILLPKAVRAQRGVITKKREPITPPEEPRLNQITAGISVLALILAAFGGLNPGVA
PVASSNEDVYAVTITAGDMVFI PDVIEVPAGKSLEVTMLNEDDMVHDLKFANGVQTGRVA
PGDEITVTVGDISEDMDGWCTIAGHRAQGMDELVKVAAPN

>RXN02044 TRANSLATE of: rxn02044.seq check: 4936 from: 1 to: 1383
MVTPIMGNSNSILGIYRQKIQRHLVSTLFRAYFPIVTELIILLIVIVTALAFDFTNGFH
DTGNAMATSIATGALKPKVAVALSASLNLVGAFLSVEVATTVAKGVDLDQFDLSNAWDS
HQLLVVFAGLIGAIWVNLTLWLLGIPSSSSSHALFGGLIGAAIASLGFGGVWEGVLSKM
IIPALAAPVVAGLVAAIGTFAVYSITKAVGDNEKNRYFRWGQIGSASLVSLAHGTNDAQK
TMGVIFLSLVATGHLGTDADIPFVWKATCALAIAIGTYLGGWRVIRTGLKGLVEIDSPQG
MAAETSSAAIILTSSHFGMALSTTHVATGSIMGTGIGRKAKVRWSVAGRMAMAWVITLP
ASAVGVFCWWVAHGIGLISDGLVLAFAILVILSGYIYARSRRVPVDPSNVNADWNE
ESNSVEPATPSAPAASEITEAPAAPAAQAVQDLNNEVENTK

>RXN02045 TRANSLATE of: rxn02045.seq check: 8713 from: 1 to: 261
MNFATIFGSI FEVTLV GILLGAGLPALFALGIRFAHSPSSNGTNALGKIASTICFAIIAV
AIIAGILWVTKATIYQYSGFDIFGTEG

>RXN02049 TRANSLATE of: rxn02049.seq check: 6577 from: 1 to: 609
VRYLTLATIIAGLSGFVVI IIAAWALGDSSQLSEEFYAYWGLFFAGTGVLTLTQETTRA
VTAGSRGGSRGGRAGSVVGFPRPFLFSFVVAIVLVVLGASAPLWIGQLLSNLQGVGVLL
AVGLASYAIQATISGIFVRLPIVERVCLADFFGHRRAHGFNCRLVAGLSIAGVLDHHR
GINILAGHRAVLRFVGAFRFGIGC

>RXN02050 TRANSLATE of: rxn02050.seq check: 1487 from: 1 to: 795
LDTGVRMVLTVAAWLLGYQLLAFLIITVVGSI SWLVIVLCFGSVRSVLGSVADVSRGVFI
RQALLAMAASGATAVLITGFPTLLKFTNPSAVAGGVSMASVYAVILTRAPLLVPLQQFQ
SAIIVRFVKGTSGLKTLAGPLAIVWAVGLVAGLAWLVGPWILDVVLQKELFAVPGWLL
AMTLTGATTTASLMVSGCAAIAFERHGIYLTGWVVATVVAVGFLGPFDLGVAAGLALIV
GPLCGLLVHMGAFVGGDRNRVLTAG

>RXN02059 TRANSLATE of: rxn02059.seq check: 3288 from: 1 to: 495
MTQPRPDAAVSLEKKRPEGWPVGSFETYPEAQAAVDLLSDNAFPVTELTIVGVDLIEVE
RVTGRLTWGRVIAGGMASGAWLGLFFGI VMALMSGFWFSSIAAGIGMGLVFGIVGAAPY
AASKGKRDFTSSTQIVAGRYDVICS PERAREARDMIALKTRDLRQ

>RXN02066 TRANSLATE of: rxn02066.seq check: 2735 from: 1 to: 492
MFNSDTTANLQAKSRDRAGSKAKRSRPSFDSVARDVLDVRTKTAQVKNKAKEFSSVDHLS
ADAAAMFVDNELSRGAMHRARLHIVHCAECREEINRQRETVDYLRSECKNEEVSAPMDLK
ARLASLATECMPGPGAENLAMQRPESFVAKVESVVRVAVRKNQGR

>RXN02067 TRANSLATE of: rxn02067.seq check: 4916 from: 1 to: 456
VGWGEIFLLVVVGLVVIGPERLPRLIQDARAALLAARTAI DNAQSLDSDFGSEFDEIRK
PLTQVAQYSRMSPKTAITKALFDNDSSFLDDFDPKKIMAEGTEGEAQRNKQAADNNANV
ERPADGSTARPTQNDPKDGPNSGGVSWTDII

>RXN02075 TRANSLATE of: rxn02075.seq check: 2111 from: 1 to: 789
MYKVFEALDDLQAVQRAYGVPMTGNCVVPQEV LALLDDLRLDALPVELDDAQDVLDRD
GVIREAEKAIALVDDAENEARNLLARATEESDAMVEDATKHAHSVVAKANDTADRIVSD
ARREANSVTERAQAESERLVNSGNDAYRRAVAEGQAEQDRLVSEAEVVRSTEEAHRIVD
AAHADSNKLRNECDDYVDTKLAEFETSLSTTLRSVTADRSALRRGAGATGRELRDEQPAA
RGEYERDYERDYERGERDDRDY

>RXN02076 TRANSLATE of: rxn02076.seq check: 9502 from: 1 to: 534
MKSPFIFDVAAALLRGSALPEHLTQSGSPTRIGPEMIAIPEGGKVIVEAQIIPLGGGLAV
EADIEAQLLGQCSRCLRELTPKTLHVSEVFAADPDFVTGEDAADDEDELPMVNQDQIDL
LQSVIDEAGLTLPFNPVCEELGYGACQDDETPAPDGVSEEVEDEEKVDPRWAGLEKFL

>RXN02094 TRANSLATE of: rxn02094.seq check: 8559 from: 1 to: 717
MAEHNAIITDAVHSDPAVLEDNAGFSKGYLIRALDKAAHMQTGAIEGYISWLRKHNPEKT
PAQLQVLVDKHFMRLATGSGAGVGMAAAVPGIGFVTGALAVGAESLVFLDAAAFYTMASA
HLRGIDIRHPERRRGLILVLLGTAGKAIVDAGVGDLSKKNHAPGIAISRFGNIGLMEVN
GRLMRYAVKEVSKRFRSALIGKILPFGIGAVLGTMANRKIAKRTVGNAYDSLGLPLPTHF

>RXN02104 TRANSLATE of: rxn02104.seq check: 737 from: 1 to: 1122
MSNSPTDVSTASPRIMIAPDSYKGTATASEAAQYLGEGVLEILPNASITLAPMADGGEGT
SSVFGGQVITLPTTNAAGRLTEASYTLTSETNTAYIDIAAASGLPAVADDLVPTTGDTYG
TGVLIADAVTRGATRIALGLGGSATTDAGSGILIALGAVPRNKEGYALRTGGADLINLDY
IDTAELNIPAAAVEWILLTDVDPATGPGQAATVFGPQKGATEKDISLLDAAALHHACAQL
EVDGTPKPGMGAAGGIAIGLTWLSTLMHGNDQOIHILPGAPLIARSNGIEDALPETDLLIT
GEGRLDSQSFTGKVVGTLHGLAKAHVDLAVAAGIVEGGIPDDFLAVEMIKSSDVAAQLR
DAGRRIAQEYVAQN

>RXN02107 TRANSLATE of: rxn02107.seq check: 3646 from: 1 to: 342
MDLHKVAAAHAATLPLSTKEFPFGPEHEVYKVRGKVFLLLTILNDEPIITLKSDPEIGAS
LRSGFPTIQAGYHMKNVHWSISDGERITKDFIEGLVEESYELVISTLPKYKRP

>RXN02108 TRANSLATE of: rxn02108.seq check: 5369 from: 1 to: 609
MGDMKITERHIHACVEISQGNDRIIIDPGTFGAPDLGATILVTHNHADHVDPELLKPGMT
IYAPRSVAHSIPVECHIVEHGRNFTVGSLSVEVLGSEHAMLTHSMPIAENVGYLINGRVL
HPGDTFQPIKDVLELALVPVNGPWVKMLDVEGYLKKFPPKRFIGIHDGIVNDRGLAINKKF
LTHLGETYGYSEYSPLEEGESLEI

>RXN02114 TRANSLATE of: rxn02114.seq check: 7318 from: 1 to: 486
SIGYAWTTAFHALTPGLGGIAIGIWLLGGVVLGGLVIRKPGAAIFVEVVAACVSAALASQF
GISTIYSGLAQGIGAEIIFALFLYRRYSLPTTMLAGMGAGGGAIFLEMFFYGNLAKTMSF
NIIYSTTVLISGAILAGLLSWYLVRLARTGALDRFAAGREV

>RXN02121 TRANSLATE of: rxn02121.seq check: 4238 from: 1 to: 705
MITSPFERELKLLNEGELGIVQQLVNESSNIGFIVDLELDGDYGWAVYKPELGEQPLWDFP
PGLYKRERAAAFVISEFLGWNIVPPTVIMHDAPAGVGSVQWFIENNGEHYFPLFDTRADLH
PQFVRMAVFDLLCNNTDRKAGHVLLDGDHIGWIDHGLCFSVEPKLRTVIWDFAGCTIPDD
LVTDVEQQLLEDVPEELHQLLHPAEIDALQRRASRISRLPFLPQAKSHRQFPWPLV

>RXN02138 TRANSLATE of: rxn02138.seq check: 8752 from: 1 to: 342
MTAPSTNTGVILTESAASKAKALIDQEGRDDLSLRIAVQPGGCSGLRYQLYFDDRTLDGD
KEDIVGGVRLVVDKMSTPYLLGAQIDFADTIEQQGFTIDNPNAGSSCACGDSFN

>RXN02151 TRANSLATE of: rxn02151.seq check: 8209 from: 1 to: 1188
MDWPDIAGKISILGVVLLHVSLAIPGGQDTMMSHLNALLDPLRMPLFFMVSGFFAVKVLN
QSFGELFRGRLWFYLVYLLWTPVNLVYLRLEGTVFTGRAPGTWEWYSGSMLSATNMYWF
LYFLVIFNLFLWATRKLPAWAIVALVASLWLLMPAYSEIEILRKSIIYLPFTFLIGAYFRP
LISRFAEAATRPAKIVFAAVLYVSGLALGVISNGLRDSENHGASVLWLMNLRDTFAHALG
GNLTGFDMDHLPGMIIRIVSLPAGIVLCVWLGRIPKPVGEFLKLIGRHTLPIYIGHATGLS
LIFGFGRLWNFMEIDNFSDSLWHTNTWMVIAFACAMLGGLTYLISRVPVLGWTLPVPPK
LPEDKTPAKAQADSHVKAQSAKPMNASTSSKTYGI

>RXN02169 TRANSLATE of: rxn02169.seq check: 3541 from: 1 to: 846
LDMQINRRGFLKATTGLATIGAASMFMPKANALGAIKGTVIDYAAGVPSAASIKNAGHLG
AVRYVSQRRPGTESWMIGKPVTLAETRAFEQNGLKKTASVYQYGAETADWKNAGAATH
APQAIALHVAAGGPKNRPIYVAIDNPSWSEYTNQIRPYLQAFNVALSAAGYQLGVYGNV
NVINWAIADGLGEFFWMHNWGSEGKIHPRTTIHQIRIDKDTLDGVGIDMNNVYADDWGQW
TPGNAVDDAIPTIPGNSNTGTGTGIDADTINQVIKILGTLSS

>RXN02180 TRANSLATE of: rxn02180.seq check: 4458 from: 1 to: 1458
MTSGKSTSTRGALDRYFKISERGSSIGTEIRAGVVTFAMAYIIILNPLILGTTTPDVEGN
TLGIAQVAAATALAAGVMTIAFGLIARYPFGLAAGLGINTMVAVTLVSGEGLTWPEAMGL
VVLGDGVVIVILAVSGFRVAVFRAIPASMKAAISVGIGLFIAMIGLVDAGFVRRIPDAAGT
TVPVTLGIDGSIASWPTFVGVVGLLCGILVVRVRGGLFIGILGTILAIIEAIFDSG
ASFENGANAEGWSLAVPGLPDSFGGIPDLISIVGAVDLIGAFSRIGVVAATLLIFTLVLA
NFFDAMGTMTALGKQGNLVDDEGNLPDIKKALVVEGAGAIIVGGAFSASSNTVFADSSAGV
ADGARTGLANVVTSLSFLAAMFLTPLYEIVPIEAAAPVLVVVGAMMMGQVTEIDFSKFYI
AFPAFLTIVIMPFTYSIANGIGVGFIMYAIMAAAAGKAKQVHWMWLAVAGLFVVVFFAIDP
IMEAVG

>RXN02185 TRANSLATE of: rxn02185.seq check: 8940 from: 1 to: 579
MGRHSTKTSSAFTKLAASTIAFGAAATIMAPSASAAPDSDWDRLAQCESGGNWAINTGNG
YHGGLQFSASTWAAAYGGQEFATYAYQATREQQIAVAERTLAGQGWGAWPACSASLGLNSA
PTQRDLSTATTSTPEPAAAAPAVAEYNAPAAIANVAGSTDLNTIKSTYGAVTGTLAQYGITV
PAEVESYYNAFVG

>RXN02186 TRANSLATE of: rxn02186.seq check: 5727 from: 1 to: 198
MYDMANVEKKHFVDPAPWPEHNPADGHVVTTELISKVAGASSPWGDDKEFPVSAEETGYVHP
YTRINR

>RXN02207 TRANSLATE of: rxn02207.seq check: 6831 from: 1 to: 798
MRRRSRVSRLLPATALLASTALLSACTQGVTDSPPDMGKATPAVSPAASNPDGQVIEFGN
ITDMEVTDGDILGVRTDALAIGTVSDFEAGSQVELDVVKQCGDLTATGGTFVLPCADGV
YLIDAKDPDLDELRAIDKPVTVAAALTSDDQLLVGNGEDEELTIYREGEEPETFTVAGPNT
QLIAPVVIDRHDVAVRTWNENTTIQDVPNDREGATLRVGLGVGMAGGEDGLLVVSDE
MGGQIAIYNADDVIRLQNDRPHRRGT

>RXN02223 TRANSLATE of: rxn02223.seq check: 9117 from: 1 to: 501
MSTYQDDRFPDPDPYAPLGEKPSFTLTSTDLENGAKLAEALGGTDISPQLSWSDLPEGT
KSLAITCLDPDAPTGAAGFWHVAFNIPTTVTEIPTGAGDETLGGIEGVVSLKGDGSGKRGF
YGAQPPAGHAPHRYLFAVHALDVEKLDIAPDATPTGLGFNLVYFHTLG

>RXN02226 TRANSLATE of: rxn02226.seq check: 1898 from: 1 to: 1056
MTENQTPSSSAPKPGPRPGPRPGPRGAQVAAKKAAVATPAPIAKTSNDPAKFRVEAD
GSAYVTTSSAGERLIGSWQAGTPPEGLAHYGARFDDLATEVELMEQRLISHPDDATSIRTK
AEELKATLPTIAAIGDLGVEARLSKIINNSEEANERAKEQKAKNRERAVARKEELAVEA
ETLAENSSDWKVAGDRIRAILDEWKSINHIDRKTDELWKRYSRARDSFNRRRGHAFEL
DRTRASARKLKEELVERANALKESTEWNDTARAFRDLMTWKAAGRAPREIDDKLWAAFK
GAQDYFFDKRNAVAKERDQEFANATAKQQLIDEYDAQINPEQGLDGARSKL

>RXN02238 TRANSLATE of: rxn02238.seq check: 4471 from: 1 to: 285
VTNVSNETNATKAVFDPPVGITAPPIDELLDKVTISKYALVIFAAKRARQINSFYHQADEG
VFEFIGPLVTPQPGKPLSIALREINAGLLDHEEG

>RXN02254 TRANSLATE of: rxn02254.seq check: 1030 from: 1 to: 777
IAVAEEGGLWENLLQHRFGGHGALAGHALGNLVIAALTDILGTSQHALDQIAQLAGAKGR
IIPVCAEPLDLEAEVSGLDSDARVMRQVRGQVAVAAATPGQVRRVRIIPDNPEPNPAAIEA
ILDADLVTLGPGSWFSSVIPHLVPGIVDALAQTKATKTVVLNLTSEPGETAGFSAERHI
HVLRLQHARNLQVDQVIVDAKTLSSQTERNHVERAARTLGAEVSFHDVQAEDGRGRFTSIH
DPAKLCAALLASFAGARKR

>RXN02271 TRANSLATE of: rxn02271.seq check: 4621 from: 1 to: 558
MSFLNSAKTKTVALTATFVGAATLATPAIASADIVDNAALPSGEISCSQAKEYWTTEA
DYNKVAQANALAMFDSRGPQIQAAALARVDEAANRCGLKGGTVAAQAEATEAAPAAPAPA
PQDNTGTSQTAPAPAAPAAPAAPATPVVNLAPAGSPTFTIEVPGVGGVQLPDLYQIVQQFLA
QFGIKI

>RXN02279 TRANSLATE of: rxn02279.seq check: 6646 from: 1 to: 1458
LISLEKKQKDANFFLSELRRQGYRAVDFLESQTVLQNNPDVQTYLAEELIRDDLRWSA
VINQMALDNIDLVPYGEENDEPLAIARKIIIEETASHPELRFENLEAQFSEFTILLAQSPE

NLDVARYQELRTQGNFVQELALDSIFGQHAVVQDTGNGEAILDETIGYMIGAGMRETTAR
TASQFAQLYSFVGRQERSIEMARLAFEELQAAGLPHREEELRLGMQLAQVEPIEAREILE
KLLLPKFQNLTLDELETEALLPLGATVAIHDPQAAAAILRHARENAAGFGNFELAVQAM
TMITDVLYTQNMHEQLLEELNHSPLPYAQMDDQHQAELKLLDSIAIVQADLGSTELET
GTAMGLAETTAQKLYVQESLNRAYFTFARPEDCISGAADASALAMQNDPPSNAQAQLEQC
AQYLFQLGHETDGASLLESAFRVEGIPTAQALYANALSSIYEDFGDSAKSQYWEQQAQ
KQQLLE

>RXN02296 TRANSLATE of: rxn02296.seq check: 7700 from: 1 to: 489
MRNQITIAAVALVLLTAATPAIAATPATAGNGLYSIDMGDEQKLTCLVLFDEPSTEAHVVA
SCAATFPVTWKLLDGAHEQAQKLEITQAQDGELSVTASKQPLITTMIAPTSITKPITVNR
LVVVPGENEVRFYATDPDVLPLITPDSYEVLTDSAAKVKATL

>RXN02300 TRANSLATE of: rxn02300.seq check: 2962 from: 1 to: 333
MKTYAVLIAVAGLALAGCSSAPGIWRATEPADAYLEIADDGTLSGTDGCNRLFGGWEKD
GSTITFGAIGMTEMYCEGVNDWLSQMHTATVTDATMTIFNEAGSNIGELKR

>RXN02301 TRANSLATE of: rxn02301.seq check: 2104 from: 1 to: 717
MDLALAQVDSTVSGLYDALDLIGVLLNGIIGGTIARQRGYDIIGFLFLALFSALGGGMIR
DMLIQQGTVAIDNQIYLALAFSGALIAMAVNFKGRVWELFKVHGDAIVLGWVAVTGSVK
AMNAGVAPLPSIFMGVLTAVGGGMVRDVATGQTPTIFGGGTLYAVPATLSATSMVIFHSF
DQVILGMIISPFLGIALAVTAYWCGWVIVPNTDFAPVNLTVSQLRAMLSKAERKDKDQK

>RXN02302 TRANSLATE of: rxn02302.seq check: 9010 from: 1 to: 879
VATNRTSSAGVITSVLASALFGAIFFFISGAIEAKAETLVAVRVLLTAACYLLALLHPAGR
KVFKEFWDTLRSQPRQILYFIFLVVLTQLWLFWSWSPKSHALDASLGYLPIFLVIVG
RFFFADYITRLQWIAVGIALIAVTLKFVISAQLSWVTFAIAAGYALYFALRKYSGLNNAF
AYGAEVLALSPLAFFMLATVEDPLSNAMLSMILAGLAGALAMALYLAASLLSMPMFGL
LSYGEPIILLFVAALLLGETLNLSDAIVYSLACALALLGFDGIRRSRKNLETD

>RXN02303 TRANSLATE of: rxn02303.seq check: 6641 from: 1 to: 906
MAENNTPQETEQDQEARFREEFEVGGKDRQLSEEEQLEQLGSYIDAHYPVPDFTPPWAGG
AGDPDPADRYIAHLPDRTHHTAMIMLGSLDHSMGPVAFIGGVSVDDVPEVGGAIHPSN
PTGRWAVSFHSGGWRRGSGDALEFQWRPEVAAAELSGTTILDLDYPLAPGHNLDHMNEV
VGKAVGYARHHPVSVITGWGYSSGAALAAINASLFDALVLTFPDLGSVEKLPAEIRGDV
VPAAAAPPTTFVQIAAQDEIAERPGEIGDATVKEYVSRHRISTPKVAREKITDVAEFLKT
VC

>RXN02307 TRANSLATE of: rxn02307.seq check: 9052 from: 1 to: 621
MSGTAIMYDITVVPSPKKEIAQAWTGYVDLQGSYRLVDTVDGEVGVLELISKDREGRLQI
PFSYRSAEINPEQTLSTLEHGVLGKRWVTNALGDPVAVREFIRTILTGDGAARSDGVKG
YLDIKGSGDAESVDLQDVKLTEVTRQRAIGSVTINGERKQFSLRLPQLLKNFRETAAGHT
ATTLRIVATHPEKDDVELLVAEFNWME

>RXN02314 TRANSLATE of: rxn02314.seq check: 2536 from: 1 to: 441
MEWYQVRRRRARQLLIVLFIAAMLGAASMVIGPFLNDRTEGNSGRALAQVTNVGSYRTTV
DFQDENGIIYHSPATGLLFPTGLGEGQVRVWVNYAKSDPDLVKVEGRKWTLIIIPALSVA
ATATWSVLWLGVGRFRGRSDDANETTV

>RXN02337 TRANSLATE of: rxn02337.seq check: 408 from: 1 to: 1323
MSKLYAGARINALRRTHQLTQSALADKLDLSTSYLNQLENDGRPLTATVLLQLMKVFDVE
ASYFSPDRGTATATRLAETLAMNQGPTMSMDLLDFADRFPQLAQHIIQPAEVDPTHSSA
HDFVRDYFATHKNYIDSLDRLGEELATAIGQPLRVTRLAQLLDAEYNITVRFAPDITG
RRHFDPPQSRQILLRQDLSEAQQCFQLAEELTFLAHAELLDLTDDQPDLPSEAAIRLAKV
GLSQYFAAAVVMPTRFLEFAQDKHYDIELISEAFGVSFESACHRLSTLQSRGASGVPPF
FVRSRDRAGNISKRSQAATFHFSRTDGTCLPWALHRAFERQGNITRQVARMPPDGRTYLWLA
RAVKGRTHGFGYPAAEFAIGLGCIDISEAPGLVYSQGLNLDPEAAEIGPGCRICPRENCV
QRAFPPSGQESIRPAPVQLLN

>RXN02339 TRANSLATE of: rxn02339.seq check: 8878 from: 1 to: 492
PTDNLFSYPAQRYDLLTLAFEVRIGDMVQINDMLAPPPVKLPEDPALGADPTLTSTAIAH

PDSPLVWAYRAENLIKASASNDDEEKIQAYAFARTGYHRS�DRLRANGWKGWGPVFPFSHEPN
QGVLRASLALAAKLIGEDNEYDRCRQMLSDADPESVAVLLDK

>RXN02340 TRANSLATE of: rxn02340.seq check: 7304 from: 1 to: 1065
MKKSI VVFEVEGGSDKHFDGHRKDTMPIVNSINDAGWQAEVVYRPEWTEGLFEYVSENF
DGYISRVNPGNIPGGERGYFDLLTRLSEAGLVGMSTPEEMMAYGAKDALVKLSQTDLVPS
DTEAYYDVETFHKVFPPTSLSFGERVLKQNRGSTGSGIWRVQLVDKELAASIEPGTALPLD
TEIKCTEAVDNHTEVRKLGEFMDFCDDQYIIGDNGMLVDMREMPRIVEGEIRILLVGPHPV
FVVHKKPAEGGDNFSATLFSGAKYTYDKPEQWQELIDLADARPVIAEKLGGDNIPLIWT
ADFMLGDVVDGKDTYVLGEINCSCVGTSELDMGIOQLVASEAIKRIEEFAQLTV

>RXN02341 TRANSLATE of: rxn02341.seq check: 4129 from: 1 to: 486
MGNSLEKHIAEGDRIHVDLTSPLSAMLFPIFELIVITGICWMGIGFLDQLPGIDGTNPAD
SFPEGTRNLLVGWVAVLAARFGLPLIRQRRLRVILSDRKLVRRLRAGLRTGFDSIPLSYI
QRVQRRRNTLVLGVGHHRPYVINQVPKARKVEALLKDLTFW

>RXN02360 TRANSLATE of: rxn02360.seq check: 7403 from: 1 to: 2433
MRGDVQKITKVYDGKHTLEIPVYQRNYDWTEKQCSRLFDDLSEVVKENHRQHFFGAVVG
KPQGSWTWVVIDGQRLTTISLFLALVHSLRASEVEEGEFNAGYNIDLATLIEDDYLS
GNEGNLKFKLKPKVNDNEAYQKLFGESEFIESSNLTANYRYFRNVLKATDLTAAQLWEA
IEKLRVMYLDLEEFDDPQRI FESLNSTGLELSEADKVRNLVMDQELKTQEKLYEQRWNP
IEVCVKFDTDNFIRWYTLKTARTPRKQDVYEEFKFIRNSKLPVEFILDMMYEAQLYR
DLLGATTGFIAADRCLKRFPVPMGDVLPFLLPVLKDAKDGIIITESDFLGVLKVLESYLF
RRFVGVASNALSKIFSTAYSIDIKKFWTPGQSYSSLLAYILKRRDGSGRFPSDSEFRENF
ATKNFWNIHNENRRYLFDCLENADSNVDRDIQTSLEGSLSIEHIMPRSLNDQWRAELGP
EYARIHETWINRIGNLTITGYNAYSNSYERKRTMENGFLVSPYRINNFIIKKQKHWSSE
QLIERTELLTQAALDYWPLPKETFQPPQAVLPTESLDSDLSFRGREIVAFEYEDYKETVT
SWADMLQSVLKVNLQSFQELIALTNEEICLATSNNNSNSSLREIDHGLFVDTGSSTSVKI
GFLRRVFTQLGLEQEALVFTLRPLANDVEPRDDELEVEVEKKYSDLTKEFIPQLEEAENLE
GADTEVIPLLSKLKEQLTAFSPENPQAALGGLPVPEFLKQNVIEQLSAEHILAVLTQHFN
IASMMGDDYLLLEELRSGRLRELLQRLLEELDS

>RXN02361 TRANSLATE of: rxn02361.seq check: 1002 from: 1 to: 651
MELLSHLLALDPASPRLTVYNSTGARLDFSAITLDNASKVGNMLLEELDLEEGSLITI
DLPVSWQAAMIMLGALATSVEVSFDDPEADAIFTSLDRFSHYKGHSDVLIVSEDPFGRGV
VEGGGELPNGAIDFGPTVRFYGDQFFQPTRTLPEIIQHSVDPVGARVLATGWSIDIESFNH
QVLEPLAVGGS AVIVTGLADIERLNQIATNEKTTHRI

>RXN02367 TRANSLATE of: rxn02367.seq check: 8247 from: 1 to: 609
-MSNAEINPVEYEINNHPGTALNPQCEDGANVEIITSREVPLGGPRAMTVHRTLPRQRS
LIGAWCFVDHYGPDDVSLTGGMDMASHPHTGLQTVTWLFEGEVTHHDSGGNHAVVLPGEV
NLMTAGAGICHTEVSATSTTILHGLQLWTVLPDKDREGPRRFDDHYAPEEITLEGGSARVF
LGSFLGQTS PVHTFTGSSCFRVH

>RXN02368 TRANSLATE of: rxn02368.seq check: 7600 from: 1 to: 675
MIVLAGATRVTYEVEPWLAIPLFILAFASILIPFPISKTKGLRDI DAWKIHTTQGDKKRA
IRQLIIPATALAIDIIGLPTLFNAPPLASAAALFGGVYGASLAWAAYRADQLPRIRTKERL
AELSQNASLDDVRSDDLVDLEQPESRELVRCLLAHGAMDGTRVMARQVARVLDTEVDEVH
QVARSLEQHGLVSRSTIMPGGDPGVKFIEVSLKGISAIKALESGR

>RXN02381 TRANSLATE of: rxn02381.seq check: 8210 from: 1 to: 1023
MSVTNFRFLAGIAVIAACVAATPTAQASGSSGSSGSSAGSSGLWDLFPESHESFIE
RLLDPLDDSHISIHDPDLTPDLYEEVFDPPQIGECPAVVAVVARGSEQNLQIRPARYSEES
PWTSNGFEEKNFRSFFGRMEKHYRESTGESLMKDVMGLNNIEYPASLPLSSEGSSAIE
LGTSISSGRDNVISAI DRFESATGCTPKYLLAGYSQGV LIVDGYEEELIARDQYLGTLHI
ANPAQQVDDPTLVGHEVTTGGLASSVEPVEDNPFKVSCLPGDIVCDRSFEQFSAAGSSI
AAAQLSTGNIRPGRVHVQYFVTTQPWDEQIFDEVASWIEAA

>RXN02383 TRANSLATE of: rxn02383.seq check: 712 from: 1 to: 636
MPVRVIVDSSACLPTHVAEDLDITVINLHVMNNGEERSTSGLSLELAASYARQLERGGD
DGV LALHISKELSSTWSAAVTA AAVFDDDSVRVVDTS LGMAVGAAAMAAARMAKD GASL

QECYDIAVDTLKRSETWIYLRHIDEIWKSGRISTATAMVSTALATRPIMRFNGGRMEIAA
KTRTQSKAFKLVELAQIRADGEPVFIAIGQN

>RXN02387 TRANSLATE of: rxn02387.seq check: 2544 from: 1 to: 762
VWWCLPTWIKAGQDAVDLALSAAVDPSPGTYLIVMHS GGGRSKSMVKLEKVA VVHDAAK
LKDRDRPGWVKQEFKNHKVQVTPDVIHALLEGVGS DLRELASAVSQLVEDTQGNVTVEKV
RAYYVGVAEVS GFDIADSACAGQMSKAVASTRRALQLGTSPVALAAALSMKVGQIARLYS
TRGRINGFELAKELGMPPFVVEKTAKVARNWSGDAVSEAVILMADLDAAVKGQSGDPEFA
IESAVRRVAELARR

>RXN02398 TRANSLATE of: rxn02398.seq check: 7197 from: 1 to: 1602
VVEVKKRNLVAPLTASLVFCNLAVANA VEVEAESPVVINEVESNSDPVGDWVELANTD
NNNSIDISGWSLVDDKEDLENALVLP EGTEIESGGYFVIYTD SADYVPTNNTFGGQ EYFG
LGKDDTVTLRNAEGEVVATYSWKDLGEHAENTYGRIPDMTGDFANTGVPTPGAKNVAAEG
SGEEEGVANAQLPFHNVEITPIHLGGDFTGEDMSGVD F DANSTAWIANNDIGKIYSLAH
DIANN TYKLTGEWETGY PEGGGEPDAEGIVAATNGDIYLS TERNNADKNVSRPSILRFAT
PTGKTGVQNAVQEWDLSEFVGDIQPNGGLEAIAQLEDNIFVVGVEETGDVIVVDLSADQP
VLVQRYESSFDGVM SLDYNAATKQLSVVCDEACDGLSEILEWDGEKLYKSDDKIYERPAN
LGNWANEGFGTYTSELKCENGNTVSVTSYLWADDAATNEGTS LNSAQVINGDCGDVNI PG
ESSDNSSSDFATGSIAGAFATAVLAVVGIAGALGGFFQ QILAAFPALQQVIRF

>RXN02406 TRANSLATE of: rxn02406.seq check: 9586 from: 1 to: 549
METLAAQARTLLEKGVAPTHASFVESIAKAIPILSILLTLIVTVNGISSGNPVQPPALE
QVRTD VVNKINYERNLKGLVSI SPELELHTAAQTIAQRNADSDSEEKVPDPEGNLVVLQQ
NLPYANANADTIVDRFLNSPDHVKLL LANDYEAIGVG VAYKGDHAWIVVEFTVAPADSV E
STE

>RXN02407 TRANSLATE of: rxn02407.seq check: 3013 from: 1 to: 372
MNRQNQLHYPQEVKAVESVSSLNMSSPSAPLATPDVELDVHTLSS ENLPWLCIVWDDPV
NLMSYVTVYVFQTVLGFSGKKRAT ELMMQVHTEGKAVVSSGEKDKVEGDVKKLHTAGLWATM
QQAG

>RXN02408 TRANSLATE of: rxn02408.seq check: 1367 from: 1 to: 912
MLIDVAGFLLGHVTKGDTGCSVVIAPNGAFAGVDVRGGPGTRETDLLEPHNSVQQAHAV
VLCGGS AFGLAADGVMTALENRGIGFPVRPEGP IVPVPGAVIFDLLVGD PKNRPTAAD
GEQAVENAFAGTHNGSGSVGAGTGATAGRLRG GFGQSSRRVGKYTIAAGVVANPVGEVVD
LTTGALFGRPEVMGVGV DKLKSA AETLNTTIGVVATDAPVTKAQAKRLALVAHDGLARAV
RPSHSPMDGDTFFAMSSGDGSGVTPVELAELSAHAADCVQDAIIDAILTAS PGLGLKSFR
ELLP

>RXN02409 TRANSLATE of: rxn02409.seq check: 5850 from: 1 to: 537
MQQWKKKKGLMRQARYAVVFEPME REVLGDL SAAVSEALI QRAQSVPKDPLAEMTGMTSG
HKEAPTDPALARLLPDFQHEGDEEYDGDNSFLRSLHEGDI TRAKLENLRVINDALGPDGN
VAVTASEEEAHAWLAALNDIRLYVASGDVRGGEAAEEDRENLVQWLAYNQESLLEAMMN

>RXN02428 TRANSLATE of: rxn02428.seq check: 3176 from: 1 to: 1134
MAATLDLPDTPDIAYAMFAHCF TGSRFTPAAARVSKTLAESGVACLRFD FPGLSQSEGDF
SKTTFN SNVDDIVAASQWLTEHYSAPQLLIGHSLGGAASLKAATKISCLKAVATIGAPFD
PAHAVLHFADRICD VDDQGAVTLQLGGRDVTISREFLEDLA EVNPEDHLRRLRKPLLLH
SPTDQTVGV DNAQLIFRVTRYPKSLMTLDKADHLLTKDGT AQRAARIANWVEPYLPEN
VCEDLPEFVAEASTIKASKYGAAIRTGGHNFITDRDKSQQGKNLGFTPT SLLVSALAAAN
SQTIKQAAIDNRIKGLDDVKVTISQE QSADHGQIKLRRKISLIGNLS DADSASLRAASNS
CSITQLLAQQGIVIDDEVN

>RXN02454 TRANSLATE of: rxn02454.seq check: 5811 from: 1 to: 1242
MKESMSITSSTYASALLTLPWGTPLEQWPDNLIAALPRGISRHIVRFVGINRGIVAVKEI
GARTAHHEYKMLRELQRLGAPSVRPVAVITGRHPAEEDYGELTAALVTEHLEFSLPYREI
FSRH LTVVESEKLIRALS VLLVRMHLLNFYWG DVSLSNTLFR RDAETYSAYLVDAETGEF
QPNLSESRRLYD VDIARVNIIGELMDLQAGECLDKSIDVIALGGLVESSYLELWTELTA E
ESVDASEYWR LSERIDRLNQLGFDVGELKVTKDDSRQVVRI RPVVVDPGHYRAELLSLTG
LSVEEHQAQRLLGSIQAYQAVECGPHVGLTQAAHLWMTNEYEPTIAAVPVEMLDKLEPAQ

IFHEIVDHRWFLAQERGGAVTLPEATASYLESVLPARRDEARLLSTNPSDEDLS

>RXN02457 TRANSLATE of: rxn02457.seq check: 8018 from: 1 to: 1110
 MFYFTVNNPQDPLSTEIVETNRRDLAFWHRLRPKDDDDLATAINKICVRTGLSRKLIAC
 LFSICFLPYLPNFHKLVEKLGHLDMARINAITKAGEKVPSEKRELFDAYLVDYLTPEAE
 QCLPQASSISAMMRKFIAQHCPDDKASSATNDGSIRYRRNNKGGISITVDATESEVTEIK
 AALEQMSKDKDCTPGTSLLLHIIRGLPTKVVLTNTYGTGKDSPEYLEGGTWLSKEQSEFWKTR
 TTSSRDMDAAHESYTTAYAPTREMRVYIKGLRTTCSVPGCSVAVENCQLDHIIPWGEGLP
 TTPWNIHPLCVFHHIQKTEGRLQCYPLPDGTVLFLVDGIPVFSIPDGPLSKSNKTWGTGKF
 GYMERRIAA

>RXN02460 TRANSLATE of: rxn02460.seq check: 7527 from: 1 to: 504
 LRVIYPATFSTLRGLNESRVITARSGYGFAVTPALLDFYTDGDEEEIAHAAAFQDAEASI
 RLLAIGDEETFPYRRVVVSVDVDDSVVTVYQPENGESVVKLSPAHINLDDVAAIHIDVEAS
 EADTKKAIEVIDESDLGEEDAELTVGDAQDNFMAWYDPEELPFLVELL

>RXN02464 TRANSLATE of: rxn02464.seq check: 6833 from: 1 to: 1200
 MAAKLQPLKRTKKDLIATGVITALAVIGVGTWATAPIRGSELTPADEPFIGSTTLDAIP
 ETLSEHWRAATDTLTHKPLITGGVIFTADGNTIKTYTPDGALLWSYERDKELCSLSVGF
 AAVATYKTGIGCGDVTAINDGQYQATRSASSDHVAPISSNDRIGVLGTERLELWRS
 LVRTIEYGDVEAPQESGQQPHPECSITSAMTRKDLLAILEDPCPDGSSYLRFMGTTDDSR
 TPEITQDIEITDGRIVAIGQSVAAYVTNDPSPRIVSYNDGELVGEQAVDEVEFPDPFPQ
 SATADLPHHMSWFNGDSLVLFSPTQLNVRQSFNDALGTGIALNGSLLYPTAEGITVANWD
 TGEVQRTIPVDRAGYDGEVALGVVGVQVIVEKRGSEIVALG

>RXN02465 TRANSLATE of: rxn02465.seq check: 154 from: 1 to: 399
 MPASIRWGGIVALIQSTIGFGYAFFLIYREATGETDPSIVYETDNANTWVGYGTAFFII
 VFGTVVAGAINMMKGHRWGRGAVVMLNIILLPAAYYMFIEGRFSWAIVTGISALFVLGAL
 FNKRAVLWANNEI

>RXN02466 TRANSLATE of: rxn02466.seq check: 2914 from: 1 to: 87
 VGEGQEQTFTTYVIEIEDGVNTAAYGGDDA

>RXN02505 TRANSLATE of: rxn02505.seq check: 6513 from: 1 to: 171
 VAGTHAYVNETLSENEFSMCRKNEPGLVIELENISIDRIVISTPDAHRYADELMAAV

>RXN02510 TRANSLATE of: rxn02510.seq check: 1304 from: 1 to: 636
 MDSSDSHVQGDVYVDQGLGEPDRRLERLWAPYRMSYINTRSGGKQSTTAKRDPFIEVPKMS
 DEDGLIVARGELVYCVNLNLYPNAGHMMVIPFRKEKNLEDLSLAESAELMLFTQTAKAL-
 KQVSNPDVAVNVGLNLGKASGGSVGDHLHVHVPRWSGDANFMTVIDGVKVLQPQLRQTRA
 MLAQAWGTIDGAPGTVDPITLSAIRTAAPKEH

>RXN02519 TRANSLATE of: rxn02519.seq check: 317 from: 1 to: 1629
 VEDEQSPGLGATLFDVATGASSINDRDTASGLEPEKIRRFARLRLIGTMGALMIAFGALG
 AGALPVVNNPYVDFPGGNFMSRMLQTSSMIVLIGVGLVLAWVLMAPLVGIPFKRSGNRT
 ASVLSMLRRTFGAWVAPIMLTAPLFTQDIYSYLAQGSVTAQGMDAYAGGPLELLGPDNH
 LARSVPFIWAQSPSPYGPVALSIAASISVITNDSIVGGVLAHRIASLLGVVAAGWAITML
 ARRCRVSEEASFYLGVLNPLLLHLIGGIHNESILLGFLLVGLELGLRGTDRIQTGLWGP
 AWTYIALSGVLISCAGLVKVTGFIGLGFVGMALARAFHARGHRHVVAIGVAGLVQVAALV
 ITVVVLSVITGISLGWITGQGAATIRSWMSMTTIGVISGFIGMNLGLGDHTAAMLVVT
 RAAGIAVAAAAMFMRMLFATYRGHIAVGGGLGVATFVLVILFPVVPWYMLWAIVPLASWA
 NRLFFQLGVIAYSTAFSFFVLPRGLALPVGTVFYSIYFGAALGFSILLVGVWWSLRNPTF
 GLH

>RXN02520 TRANSLATE of: rxn02520.seq check: 9529 from: 1 to: 684
 VGDVVKGNDAHTGDGDTTRKILLILLERAPVIASDIAEQQLSTVGVRRLDNLVEENLA
 EAANPRQNPYEPKMRGRPAKTYRLTDKGRSIFGHEYDSLAAAALATLREVGGDDAVRQFA
 RKRIETIVEGITPADVTDQSIEDTAKSLVEAFSRHGYAATVDATRNLQLCQHHCPISTV
 ATEFPCELCEAEHQAVSELLGQHTQPLATIADGHGICTTNIALTPIKHS

>RXN02534 TRANSLATE of: rxn02534.seq check: 3127 from: 1 to: 804

IAAPGTWESAANDDPINPTANPLSFMLSITQPLQERYSAADDVKVWTLPTYAQFRNINSON
 EMSYDDSRNEGTAKMNEELINTHNECPATEFIIIVGFSQGAVIAGDVAAQIGSEQGVIPAD
 SVRGVALIADGRREPGVGQFPGTFVDGIGAETLQPLNLLVQPIVPGATMRGGRAGGFGV
 LNDRVQDICAPNDAICDAPNVGNALDRALAMVSANGVHALYATNPDPVFPGTTTNAWVVD
 WATNLIDNG

>RXN02624 TRANSLATE of: rxn02624.seq check: 3015 from: 1 to: 1296
 VLIPHGVAVLLVIILAVASLMFTNSSMVNLSATIAQLWLSINLGAVDGSGEVISVLPITLP
 GFIFLWAIARAIRHRAVKDRVSIADLGVLAALVLGIPLALTAIAAFMLFDASSVLNVEVPP
 ITRLLRVMLFHLALFLGMGPRLWQALARRYGAPEWLIDAITQAFRLIAFGTVSLVSVL
 VMTAINHSAFTATMQGYDDASVVALIVLSILYLPMNMFAMGNLIGSPYFGDASISVF
 SVHSVPLPPLPILALPSEALSWAVALLVIPAIATWVCVRNPMRLAVNTTAAVISALCF
 LVLAVFAGGTGLGVYNYVGLNLLASVGLVVFYFALVGLLIAGIDKLRNPVEVKSVKAVAVV
 EPEPEVEVEDEEEHVEEEVDEEEEEVEEGVEEVEEDDAEDPEENPEEEESDEEIEETETEA
 EETNDGSEAEDR

>RXN02626 TRANSLATE of: rxn02626.seq check: 9067 from: 1 to: 1005
 MSTQVELKTPKSEDRAAYIAALGFPVLVIIGGIIGFTASDVVLNISSWVNPLLGIIMFSM
 GLTLKPVDFAVAKRPLPVLIGVIAQFVIMPLIALLVVWLQLPAAEIAAGVILVGCAPGG
 TSSNVVSYLSRGDVALSVMTSISTLLAPIFTPLTLWLQAGQYMLNADMAVSIVQVVL
 IPVVGGLVRLIFPTLIGKVLPLLPWISVIAISLIVAVIVAGSRDKILEAGLLVLAIVII
 HNTLGYSGLYLAAKFTGQPAARRTTAIEVGMQNSGLADGLASQYMSPMALPGAIFSVW
 HNLSGALLAALCRASDKRAAEKVASEKAASEKAAS

>RXN02656 TRANSLATE of: rxn02656.seq check: 1781 from: 1 to: 840
 MIFGVLAYLWGMFPFAFFPLLLPAGPFEILAHRIWTAVLMIIISFTSGWKELKSADRG
 TWLRIILSSLFIAGNWLIIYIAVNSGQVTEAALGYFINPLL SVVLGIVFFKEQLRKLQIS
 AVVIAAAGVVLVLTFLGDKPPYLAITLAFTFGIYGALKKQVKMSAASSICAETLVLLPIAV
 IYILIGLEASGHSTFFNNGSGHMLLICSGLVTAVPLLMFALAAKAIPLSTVGMLQYLTPT
 MQMLWALFVVNESVEPMRWFGFVFIWIAVTIYITDSSLKK

>RXN02673 TRANSLATE of: rxn02673.seq check: 5852 from: 1 to: 633
 MAALLVLLVVIALLIIVAVVALRGGSSPEEEQPNNAVVTSSMESSATSSSSSKESTTEAT
 TEEETSSAEPTATSSVAADAKKTCELSDLVISASTNQPTFSGSAQPELFMAVHNPTAVDC
 EIDLEENKLRFEVYNLATNARIWSDVDCNPAREDGTSVFPAGEDRYFQATWSRTTSAPNQ
 CNNRTDVPAGGYLHTVVGNPNPSPAVTFNL

>RXN02680 TRANSLATE of: rxn02680.seq check: 5186 from: 1 to: 1284
 MRLNKRPLAALSGLLLSAALLAGCSTSGTAETTTTTVSSAAASTTTSTSSASSSSSSSSSS
 SSSSDSSTTAETISNTAAEAQAFSLTLSTEEQDAVLYDYDAEEKSTGWSNFPVTFVQRSG
 VNLTDLTEEQQAALNVLKNLLNDDAYQMIEDIMASDQYLNDENSTTEDSLGQYYIAFFG
 DPSSSDSWSIQFGGHHIGINTTFSDGAITFAPTHLGTQPSEWTNEDGETVAALSNNMYETA
 FAFYDSLAEQQAQLYQGEELDSMVCAPGSTCDYPTGTGLKGSDLTDEQKELLIDVIANW
 VGLADEETTELDAIRETLDDTYINWSGATEYDTSTGDGIYFQISGPKVYIEFANQQGS
 AGADIDGVITAGWGHIIHTIYRDPTNDYANSVTQEAASGMMGGGPGGNGGEMPSGDMPTGE
 MPSPGAPSN

>RXN02693 TRANSLATE of: rxn02693.seq check: 9728 from: 1 to: 1776
 MVSLPRLASLLTTRLATLKPALKPATHLASLGAQVIAELVPGIRMSPNRRRILPANMGAG
 FIGAEIAMWWALSPSLLPKPWWTAANLAVLQAVGHAAATGIHSILPRTNRRVSRKIYNA
 THIATGAILTTTTVGLIRHRTQIRLIGQKNFGPKETIAGISVGTGLYGALLITGELTQH
 SINEVKLLIERFLPPWISFIAAVSVITLTLTLADRVLRLRILHNSAIQAAHLNRMVFP
 TEQPWEPEPERSGSPWSYKVGAVGSQGRAVLSSGGPRKDDIITVTRLSDETETHEPIRIFIGM
 VPGRSLSDQVDLVIHEMRRTGALRRDHIVINNSTGTGWITDWSAHTFEFLTGGNCVTISM
 QSYLPSALSWSYKNDGPNARMLIDAVLHELDQLPTGSRPKLFLAGESLGAYGLAEVW
 GDVEKLLGTADGVLLSGAPRFS DAMNLRTRRDASSERLPVIDSGRHIRFAGEPEHLD
 PATWQFPRMIVAQHASDPVWNAELFIRPEWLKTPKQDHQDVFPRLRWMPFVTGWQVA
 LDLFTSTSVPGGHGHNYHEEFIDYWAALLDREVTPELRHSIAYWIRANHIKR

>RXN02696 TRANSLATE of: rxn02696.seq check: 3394 from: 1 to: 456
 MSMLKKTKEFFGLAPYEAHEDEYADEPRYEGTAAYAPEYRERDYGYPEAPAPVAPSP

APRSYQSTIVPVELHSFEDAQVIGGAFRDGDVVFDMSSLRSREEARRIVDFAAGLCFALR
GKMQKIDSVTFVAVPELSNISTSELERAAIR

>RXN02697 TRANSLATE of: rxn02697.seq check: 1664 from: 1 to: 1527
MTLFQRLTNPVVLGGLAGVLLLLGSFGGGAIYRGGVLDALGLNFLAFGHAQGISNTVLW
VGQLLLIGAWVHLGRRLFKKKVADDTADAADLGLVKRTLYAMVVPLIFAAPMMSRDVYSY
LMQGAMLRDGFDPYTEGA AVNPGPMLLEVSHDWRNTTTPYGPLHLWIGDMITTVVGDNVT
LGVVAYKILSIIGLAVTGWSIVRIAQHFGANPAIALWIGVANPVMITHMIGGMHNESELMV
GLVSVGLLLALKKRFBVAGVALIAVAVSLKATAAIALPFVVWIGMHFAGFLATKKGKDSP
TLKQOVPAFFATGAAGVAVTG VVVSAITWASGASGWISEISGNSKVINPLAFPSLVASV
ITMVAEVFVDDFDYNAVNVVRSISMLIMLGGVLVCWWLFRQNERRAVTGTAAYAVAFV
FNSVTLWPYYASLISLLGTFKPPMWLIRFAAGASVFIALMFTGSGNHQLYNIVTVIIAAI
IAWLATVVIFDDTDPATTATEKPSPTVS

>RXN02720 TRANSLATE of: rxn02720.seq check: 5443 from: 1 to: 702
LERREELQVRLQQVQARIDATLNEHNRPEGSVRLLPVTKFHPVEDIKILQEFQVTAUGEN
REQEARAKALELPDMDFHMIGQIQSKKANSIARWAAVHVSVDSEKIAEALGRGVALALDR
GDRTSDELPCFIQLSLDGDPSRGGTPLSQVTQLADCISDTTHLRFEGLMCVPLGWGPEK
AFSQARDVLSGLEEHFDRSLEFSAGMSGDLVAAIKHGSTIVRVGTEILGNRPLA

>RXN02744 TRANSLATE of: rxn02744.seq check: 343 from: 1 to: 804
MSKPFENSALRGSSRFPAGTFTTAPKRAPAKMLAAQGMESLLFLRHGEQQLLSIIPL
VALIALANFDFIPGENSLDKTFPFALATAAMSAGFTGQAISLAFDRRYGALKRTGASGVP
AWTIIFGKVI AVIAVTIVQIIFLGVTALLLGWSAPVGGVLF GIVTLFVGVSFTALGMLM
GGTSLSELVLALANLIWIVLSGLAAWAVFSPSVNAEGLVLSIIPSVALSQGMVDAFNGELP
WLQLGILVGWLIITGVAANKLFNFSASR

>RXN02770 TRANSLATE of: rxn02770.seq check: 2969 from: 1 to: 1566
MLVAALVMTSCGDGEPEPTSHQTSLFGYAVNSSLATTNAASLLGVANDAGLLAARVYPGV
YVQGPSPQMIPNTDLASTQVLPGINRQVIYITINEDATYSDGQPVVCCDFLLSATAGQMPE
LFQSHVPLTSQIERVDCVSGSKVATVVFKEIDLGERWRYLFEQDLLPAHAVASKAGMTLE
ELNQALKDKDPEALTEPARVWSEGFQLSQFDPQLQTAFGPYKVDSVGEFGEVKLRNEFY
SGDQAVEAEITMWPKGSDLSAIADNGNLQIAHVVAWESEPWVNRDDPLNPYDIKEEVGVL
TEQLTLASAGVFYAAEARQAFACVDQEA VAAASSSISGIDVPAGVHVSVRHQNPPVHQI
GDLPAQHMAVDINAASALAGQSIRIGYDGPDERKAAMVEAIRQSCEPAGITVIDASQEA
SLNDLSRTEVSEWGYEQYFEGTLDVLRVDPHREYENANTIGTDAESTRRTEEQLWAEV
PSIPLAAQPRVFVIDRTVGNVVNTDLAIGWNMDRWSRSEE

>RXN02781 TRANSLATE of: rxn02781.seq check: -9745 from: 1 to: 1191
VVAALVFGLLPTWERGLSDAALKFVFEGGPDAAREVLGTIAASTISVTGLIFSITLVVL
QLVSSQFSRMLNGFLNRNIVQATLAMFLGTFFVSLTVIRYVWSEDEDITGFVPRASVS
AFLVLVGLCLGLFLAFIRLITFSMRVANAI SEIGEETMALAARIYPVQSDDAGPVQGPWS
PRPGDPREEIRVGNHGSVLWIDYRKLVSWSSTEHQAVITVDRPVGDFLVEGQPLLRVWWDG
ELSDRRRVLHSAIEVRTERELHQDVAFLRQLVDIADRALSPGINDPATAAQCVQEIHR
IFRYLVTVIEPSPYIADDDGRVRVHQPQRIADMLYEVI REIHLYGADSAMIPRLLRMTM
EDLVTAADHSLPAVERARGILDDDETDEDRSDTANV

>RXN02782 TRANSLATE of: rxn02782.seq check: 837 from: 1 to: 1299
MPTLLIDTHPLAAQLLDPGLGELLTAGSNKKVQWQCPKHSNHIWTASVNNRTNAKNPRC
PYCAGTRVLAFNDLATTHPLAVQLVDQDI AVTISAGSGKRQLWQCVVNPQHQLATPN
NRTSTKSASSGCPYCANRAVLVGDNDFATTYP ELAAQLVDQSAATTFTAGHNKPVEWICC
KHEPPFIWKTSPILRVQRNTQCPVCSERTVAPALNDLATTHPKLAEQIADPQPSGVSA
IIPTISRGSHQTLTWQCSKNHDHQWVATVKDRVRGTD CPTCANTGTSRKEAELIEVIRAL
FPNTDVQQGALINGRTGNQGASPSTDVLI PSKNLAIEFNGLYWHSELFIKDKHYHANKSA
LAEQAGVQLIHVWEDDWNLRDIVIRMI AHKLHATHNLSAVLPTETTTDSRVATTAFVHS
HCRWSLVHALLHS

>RXN02812 TRANSLATE of: rxn02812.seq check: 3189 from: 1 to: 339
VWAVAINAGNGISEDQARAASDFSSFSFDTGNADNSALESVLTQASSESA AETTEAQPS
TPVEPAAASPSDTIINLDTSSNMDRVVDG SQETYHTVTSRTLANLARETGAQG

>RXN02817 TRANSLATE of: rxn02817.seq check: 7091 from: 1 to: 399
MILGVPIQYLLYSLWNWIVDTGFDVAIILVLAFILPRIGRLAMRIKRRVESAADADTTK
NQLAFAGVGVYIAQIVAFFMLAVSAMQAFGFSLAGAAIPATIASAAIGLGAQSIVADFLA
GFFILTEKQFGVG

>RXN02818 TRANSLATE of: rxn02818.seq check: 4037 from: 1 to: 606
SYSRKFLTQVWIRDNVGDYKGLTDTAFRKKLQORDLAYLRRVGVPIEQFTVTSGIAEGQQA
YRLAQDSYKLPVEEFTPDEAAVLGMAGEMGHNQELGAFARSGWTKLAAGGAQORDLSTSTA
LTNAGDLGSLSAKTLDAIKARQLGKQISFEYRRAPKDAPSLRHMDPWGLVPERDRIYLV
GFDLDRQEARTFRITVRNIKL

>RXN02825 TRANSLATE of: rxn02825.seq check: 7394 from: 1 to: 1839
MKLAPMRMRSPKTFALASLALVIGLGQVPIAQAQTEYRTASDGSNLWGFQSFERNYIQ
TGVAKGSITLGDGASDNGNFAFTPTNGTTVTSDSQGTVEFNQSVHFLGHQAEDKWILD
TTMSDIKMFVNGSSAQLVVDLVAREFKGTTYDDIGEYIISDDIVLADVSLNSAADFSQDS
IDLSGTTDLTAAGAAFGGFYETGEALDPTGGSLTISSTTTAPSTSTTSTSASTSGGTAD
CSSGALGVVTTGTNDGMLGTIQEVNNTFAIWNNLIVNTERMFCNIDTLKARFDTDDSSDS
ATSATSGTTASTGTTAATTAGTTGTTGTASTASGTSSTSGTSGTAATVAGTTPDNGVCT
ASGSLGVTQASAQWGVKASFQNYIRGSIANGSWTLNGVGFNDQQFQFSGNSGAVDAENKT
GSINFPGSIHFTGHGGILDMQIANIEISFNNGSGELIADVSSDMGNSNTNYGRTVVGT
NFSALNVSATEASGSASVLSQSGSQAFADFYTPGTQLDPIFSATLGGDASCATGSTST
TGAAATANTDNTGEGVAGEESTTPANQNSQFQIRQAAADSTGLDTTTTMLLILAAFFVAGG
SMTRFTVGNPTGK

>RXN02838 TRANSLATE of: rxn02838.seq check: 4352 from: 1 to: 528
NTGKGGGLTVPLGDGQGRYIAKFPSTAFVGVSENEFANLALAEIGMEVPARELVGRAQF
EGVPPEFEAMTDGLVLLVRRFRDRAGDGVVRVHMFDAQVFGLYPARKYDGAASHDIAAVLG
SAVSIAAGLEFVRRRLALSVMGMNGMDHLKNWSLIYRGRGDVPALAPVYYMMSTVTY

>RXN02840 TRANSLATE of: rxn02840.seq check: 7123 from: 1 to: 150
MTVISGALNVLLPDATDWQVYEAGSVFNVPGHSEFHLQVAEPTSYLCRYL

>RXN02841 TRANSLATE of: rxn02841.seq check: 2452 from: 1 to: 435
MFTAFKSNPTTIKKLVSELINGDDAALNELERHVTNESVRARELPNVQYKATAGRNFAIS
KLVQNLRRINKAQNNPRGVPTHTATVILLKEDGSYDGEEQWRIPEKAITPFDMLRSPDFNH
NRLKNRPLMVESQYPWGVPGLIKMN

>RXN02846 TRANSLATE of: rxn02846.seq check: 4539 from: 1 to: 750
VLTIAIVLLASVLIGALLQRMGTGLGVGLVTGPVLTSLGGLAGVTMVNGLSIINAVNNAW
SVRKRTDWAQFRILAGALVLSVPAVAVVYFLNGPWLLIFVGAMVLLALGVSLFPTKFA
LKQEAQLPMVIFGMIGGFMSVAGIAGPSLTVYARLSRWYRDFVATLHPVLLVANTVSF
LLKVILIGGLDFGGAPAWLWIGAVAMIFVGAWLGEIVNAKVSTPMAKRIATLLAAGAAV
VLFRGIMELV

>RXN02847 TRANSLATE of: rxn02847.seq check: 8481 from: 1 to: 1089
LALTARGFLNSERSQTRWKTHFTTQKVPRSGYRYDLGLRGIAIAFVVLHFVFGKVSGG
VDVFLLLSGYFFLGSQRLYADRPDSSINPWPIWRTLRLRLPALVLVLGVSMVLILAWVP
RLQPIEIANQAVASLFYVQNWELASQGAAYGAASAEVSPFQHLWSMAVQGFYLFALLS
MAIILIRRYRPEYSAVRLATPVLAVLTSVSFFSAILWHFIDQSVNYYSTFTRFWELGLGA
LLVLHAPRILISAKTKSILAAGLGMVLSTGFFMDGAETFPGFALYPILGACLVILGDG
KISVFLSRKMWLWLGDIAYPLYLWHWPLLIIFTALFNQEEPSIWLGIIVIMLSLGLAQLT
NKY

>RXN02849 TRANSLATE of: rxn02849.seq check: 4597 from: 1 to: 282
SPYPVMISTSADASNVTVRIMGVDTTSVESINNGRWSTTQPNTRVSGSDCVPSTGAPGF
TTSDDTRIISDLGNEITRETVTTVYDPSPNVCS

>RXN02911 TRANSLATE of: rxn02911.seq check: 602 from: 1 to: 459
MRTSKKEMILRTAIDYIGEYSLETLSYDSLAEATGLSKSGLIYHFPSRHALLLGMHELLA
DDWDKELRDITRDPEDPLERLRAVVVTLAENVSRPELVLLMDAPSHPGFLNAWRTVNHQW
IPDDDLLENDHAKRAVYSGAARSRWPLRLARLHS

>RXN02914 TRANSLATE of: rxn02914.seq check: 6261 from: 1 to: 543
 MVGNSIWIIASLLGLSALISTYPAILNLLQLVGGGYLTWMGIGAVRSWWTKRSTQQAAAD
 SQAVENTLVLTATAASVGVWPAIRSGIATNLSNPKAVLFFGSVFAQFVRPDMGIGWSIFIG
 VFLLTLTGLLWVFVGFVLRKLAAGLTRNGAIIDLLTGVIFIGLGMFMIFEGVVIGIGRRV
 G

>RXN02921 TRANSLATE of: rxn02921.seq check: 4157 from: 1 to: 471
 VSALEESIRIATIAAKAADEKKADDIAVIDVSDMIAITDCFVVASADNERQVGAIVEEIE
 DEMTKAGFEPKRREGNRENRWLLDYGLVVIHVQRQAEREFEYGLDRLYRDCPLIEIEGLE
 TFKRESSWSDEADIRNIDSIDELPPLPAEYEPGYEDD

>RXN02924 TRANSLATE of: rxn02924.seq check: 3999 from: 1 to: 549
 VPSVASISERATFILTADHFLRSCSKVIYVRGENFTATATTSLSVFGTDLGLIKLDGKAP
 TMPLPLFADKPLRVGMKTTTFGFGGLPSATVAKEIHGRVISAIPHGVSRNRITRVHHGAL
 IFNSPEKAVKGDSGGPVLVNGRVAGIQSMISDPGGFNTGVATAASLIQHMPALAAQALELL
 EHS

>RXN02927 TRANSLATE of: rxn02927.seq check: 3221 from: 1 to: 468
 VADEGSILAWFPCGDEAPVLVVTLCAFAIFGEVVVAEVSATGLVAVEGVDTHEFAEVDVVG
 YACCVFENLVHLIGAAGDAHVLPEVIAEGTDLVDAILEVFYVSGNATGEVQDIKLAUVV
 LRSVNVVTDPLWAVAHEAVNASLCTRNRLCLFCWCIL

>RXN02928 TRANSLATE of: rxn02928.seq check: 382 from: 1 to: 693
 VAGRCNTHWAGVWVLANCLFVHGEEVGVTLADGVLSEALGGVAEVQVCSVVQRSNTETSI
 DLLGDRTGSNVTWDEVTECWVAALQEVALILRDGVWIAVIVRFLRGPDAAVVTQRLGHQ
 NGLGLPGGVHRQAGWVELDERWGREVCAGFVCTHDGRGVGVGLQGQGHVVHVAVATGCQDN
 GMAGVCGELAGDQVAHDQAFAALFTVTFGDNDVNHFMGEDFYGAEVDLAL

>RXN02931 TRANSLATE of: rxn02931.seq check: 8393 from: 1 to: 225
 MQPYPRNPPIEKRKQEVKRKNSRNAVVSVGGGIVGGAALWLVFGSAFFMGLGLIIAVVGGFY
 YYNKVQKIINEKDRY

>RXN02932 TRANSLATE of: rxn02932.seq check: 938 from: 1 to: 972
 VSKTEEGRSAIIIIYAFPTFILLGAIIFAFIFPEPFIPLTNYINIFLTIIMFTMGLTLTVP
 DFQMVLRPLPILIGVVAQFVIMPFLAIVVAKMFNLNPALAVGLLMLGVSVPGGTSSNVIA
 FLARGDVALSVTMTSVSTIVSPIMTPFLMLLAGTETAVDGGGMAWTLVQTVLLPVIIGL
 VLRVFLNKWIDKILPILPYLSILGIGGVVFGAVAANAERLVSVGLIVFVAVIVHNVLYV
 VGYLTGRVFKFPEAANRTMAIEIGTQSAGLASGMAGRFFTEAALPGAVAALVHNITGAV
 YVGLVRNRPLTKASRKESVAVSS

>RXN02934 TRANSLATE of: rxn02934.seq check: 3200 from: 1 to: 306
 VGADEFDFIFEIDAPEAGFALVDAGGVFFFVEFPFHAGFEGEVVFVVGEGDLLAECVLSV
 FCGVGLAFAAPDADEREEREESVVEVGAFAEVSGVVDRDKVT

>RXN02936 TRANSLATE of: rxn02936.seq check: 3720 from: 1 to: 198
 VVAPFQLVGLVSVQLRSSFSEPATEEAEDTEAESPTTPTGLPAAAAIATLDNASARLFF
 SRGIHV

>RXN02939 TRANSLATE of: rxn02939.seq check: 7866 from: 1 to: 1602
 MNLHSLEIRQISSGTISERKTWIFPTAARSFNQNLVHPQSIEIDAQTGVILAMENRLQRT
 EVESVEYPTDLPNPAWTGPAISWPLKDPIDFPDPLPHSISELPPQSDNPRHLRVSISLD
 AVEGAFPRYRIGDSIRIPLVFARDTPFMSGLETTTRAWIEAATEMDIHNTWPIILTGDW
 TALSHSDKPIRHEAELKGWFFHSLFGSEMPDLTKIERIYGGGLTFDSGATRWQELTDTD
 DAYTENGSWLLEIVVDATLDGAIPPLQPQQFEASITHIVDEQLWVLGQMLPVLRCWDLE
 TGKYLQGTYPISVSHSSRLQFSEGLIHDYENAWSLNPGVRMLAEPQPWIEPVIELDVPA
 PWELQESFPDGLYSLTDGEQTALGRSTPAGQLEICVISNDGSRIINAGRVEDLYFVQFWG
 MTVFLNSNFQVQSAEEHQLGAKRERWITQEGVAAKFTEEDEIVFLDQISESEITRWKTPE
 GYFTEVRILSPNHFNILVTPPTGSDYLKPVPSVSVFRDQWSNIKFEDVSVEI

>RXN02950 TRANSLATE of: rxn02950.seq check: 7742 from: 1 to: 324

MTVFNVLHDAPAPQPDKNRPGVKRLLQGDGANLIAFTFSPGQSLPDHRAAHPITVTAFG
QLTFSYGEETFELSPGVTVHLEAGVTHRVDCPPEAPGDASNAVNYAHW

>RXN02951 TRANSLATE of: rxn02951.seq check: 852 from: 1 to: 609
MSSTLARKASGDGSEKKKPGLFRRALRFLTHPPHKQVDNSLADIREGLGLGVDDSHGSK
PSNDHSLLEKPEISVMPTESMARLIFYAPDMGQTDPGEVVWIWAPADGPQQPPRKRAI
VVVGRNRNAILGLLISCNPEHRTDEDWIDIGSGSWDPRGRQSWVRLDRVLEVPELGIRRO
GTVVPPGRFERIANRLRNDFNWV

>RXN02957 TRANSLATE of: rxn02957.seq check: 2405 from: 1 to: 291
MQTAQGGRVYTSMLDEKSLSPILGLPGRENIGLGRHWHGLSTMLRVLNGIVYVLLFATG
LWQGIIPTSWDVFPEAWETLKVYLGFAPGIEHFTPL

>RXN02967 TRANSLATE of: rxn02967.seq check: 8901 from: 1 to: 318
MDLLVAVHEGGQPRQSDCNAPGCAHTWLCAINFQLGAGVVEGGVEKRNVEFGGTFLGPE
YGGRALRAGGGVDIGEQQDPFDGGCGDVEFGGIDVIEVDEVGATGS

>RXN02971 TRANSLATE of: rxn02971.seq check: 4841 from: 1 to: 312
LIAIVALIVALVWLFNRSDSGSTTTTSQECISGNLSLPVGGDSTAAEELVNKFNDSPP
VSRDFCVAEAEVDGNVPAATYLFAGSRSDAATAETGAVASSS

>RXN02978 TRANSLATE of: rxn02978.seq check: 8219 from: 1 to: 1509
VIDRPVWLFELYNTAKEVVYSLIDQVTGENTILKKDDGWRDQFMIESFFAYDSEADATS
WSGKNMNSYWFVSDNISFAERSLESFSWALRDLEDLSSSETEFEGLEELNLKFSELO
EWYTNLELFPQPSAADVDEVEQYLQAEVTRQRGDYQWSPEFWIPKPDSEYIDHALAVVD
VLGAIEQGEELREEVEVQALDEVSENWNPLEDSDYYLQDHRGRPVQDLSREMEELVRCLM
LDQEWGGAEARIRKLVESVWEDTQAISSLIEHEQYWEDGRFRPPLHKFSEGLDEPEPLP
MTRKMILATNHPDVLVRNIADYYQOHRRIATQKVECYKEVLALYPEILKKFDDSSSFVNRH
WIYRAFDREGQLLYIGETINPLVRLREHAGLGSINHAHRLVSPWFSTMATFHLESCFTQ
AEAKEKEALYIKLEQPRYNKTHNSARLAVSEEGVPVNEVPNRNDPRNVGWKGHRHVPPLM
PIVARVDESTTREGYAFYEDNR

>RXN02995 TRANSLATE of: rxn02995.seq check: 169 from: 1 to: 1566
LNHAKVNHQHPGQATLPETAEGQVRYTEVKTYGCMNVHDSERLSGLLEEAGYVAAPEDTT
PDLVVFNTCAVRENADMRLYGTGLNLSRVKEKNPGMQIAVGGCLAQKDKDVTVKKAPWVD
VVFETHNIGSLPTLLQRAEHNAQAEVEIVDSLEQFSPVLPKRESAYAGWVSVSVCNNT
CTFCIVPSLRGKEQDRRPGDILAEVQALVDQGVTEVTLGQNVNAYGVNFVDPELERDRS
AFSKLLRACGEIEGLERVFTSPHPAEFTSDVIDAMAETPNICPQLHMPLOSGSDKVLKE
MRRSYRSKKFLSILDEVRAKIPHASITTDIIIVGFPGETEEDFQATLDVVKARFTSAYTF
QYSPRPGTPAAEYENQLPKEVVQERYERLMVVQEQQVCEEENQKLIGTTVELLVQAGGGRK
NDATKRMSSGRARDGRLVHFAPEGDIDGEIRPGDFVTVTVEAKPFFLIADSGVQTHRRTK
AGDNSAVGQVPTTAPIGVGLGLPQIGAPKVAPATESACCSIN

>RXN02997 TRANSLATE of: rxn02997.seq check: 4243 from: 1 to: 729
PLPGQPFEGEALTLINALLHHAENVAASNPKRTTFHTAHMHPPGSNADCDYCLVLQRRG
YVKAHEEIQQTIPPLSGDWSAGEFTVVDVEGTAFPSALIPSIVELQHRAALDVPHGNLSV
APAQWDEHRLAQQSERILKTGTLFTVLFAEGSTVAAMSSIAIPPGSNPDIAEQGLTIVH
PDRFRGLGTAVKLAGLSLLSRCHPEIQRVATSNVAVDNHMLAINRSIGATEIARTTLWE
KKL

>RXN03001 TRANSLATE of: rxn03001.seq check: 9853 from: 1 to: 453
MDWLTIPLFLVNEILAVPAFLIGIITAVGLGAMGRSVGVIGGAIKATLGFLIGAGATL
VTASLEPLGAMIMGATGMRGVVPTNEAIAAGAEYGAQVAVLMLGFAISLVLARFTNL
RYVLLNGHHVLLMCTMLTMVLATGRVDWIF

>RXN03005 TRANSLATE of: rxn03005.seq check: 972 from: 1 to: 768
MSHKFSRRFAVLTAASISAFATTAPSAIAEPVLMSCRRFQRRNFRKLPRGLQGLF
AHLCHRTLDWWNRDATGGATVNEDGTYNFTLTGTSNYDVEDTEKQQLNYEGTVAFASDAH
FNITLSNPQITVEGDTATLSAELSDNAPEETSTTRVDVAEFELTAPEVSETDADITYTW
TDASGTFLETQPEELSRAGQEADALSFSITVDKASENPSDDVATGSSSSFLSTILNLF
QQLASPLKLFGLSS

>RXN03009 TRANSLATE of: rxn03009.seq check: 8107 from: 1 to: 348
 VANIASLYGLWEGSTSTPIEQLVPAKGSSFRLVRSFYRRIDGQAVQARLKEKILNTAENP
 LPRLDIPGKERTAQYPENPDTFQAQAAQEILDEFRTPLIGEEAAAHVEKTKTIFWK

>RXN03010 TRANSLATE of: rxn03010.seq check: 697 from: 1 to: 237
 VPTDNLFLIVAGIAWVLGILSVLSIGKYMSAVNERKSTGFYTEVPWKKALFTATAVLLV
 FAVVWSALDIALWVGKQSW

>RXN03011 TRANSLATE of: rxn03011.seq check: 6364 from: 1 to: 201
 MAYETDSLNRRTLGPAIASAVVGIAVGAVAVGVSMISGQDTVPTGNAVTTADDALLGGPE
 YGSREAD

>RXN03012 TRANSLATE of: rxn03012.seq check: 8240 from: 1 to: 570
 TTINIIITNGAAPHPTNLNRAEIHDLPLTASDSELTRPSQESVLYDHESETVLRMTVIP
 ADLHVAMKHLAKKHNLTVTEISRILLQRYIDRNINHVEQNQAESDMVEVFASQPTNATAM
 IPVPGTSFRQIFIKHSTGFWKNIDHDLVDLDASKTPRVRDRSVLPQPQLHRALLSDADMA
 RLAAQLTDKH

>RXN03017 TRANSLATE of: rxn03017.seq check: 6478 from: 1 to: 1539
 MLDSLKNRFTKAKGSHGVGEGAVSGDAAVKPLRKEERLASVIQETEPGAAVEVMRRNDAF
 ALPGETGWVVMLLPTHDSQFGGLNAKEKNREDKGTIINLVVNDIHSVVTPELLDSDVLG
 VIPDADSFDRMDEFDRLRNKARWHYGVAIEPDTGELVVFKVPAKNSASARGDIFSEVGD
 VLSGAADLEDVVDVEVIATFLEVLNETSEVDIDDEDGDVPYGLEGVNAAGVITDDLIRES
 LDVDSYPSSAEIIDNIVHVFTKLQGGKHHVAPQPVLSADVVVDVAQESHDTVVIESPDDV
 ALAEQVDVDPFSDGFGIDDAEVTEPEDEEVVEATADADPFQDVAEDDPFGSDDEPDPFGAS
 DVVAAPAPVAGMSDEQIQALIRGVSESVQAKTGSELNALREELAQAALAYNPVQDSQAALA
 QVHAADARSFDADQVGDAVTKRYVNDLGLYVDEANFNALTRAPFQVAMPQFQETTPWL
 GDQLRTLVAVFNGQLLDQHQRDYRRSARDVHCA

>RXN03018 TRANSLATE of: rxn03018.seq check: 6149 from: 1 to: 993
 VTTEEVRAMYIALNDRSNLEIARDLGLDNKDSEFYEVYRAIERDRDVMAGDQQRVESERR
 QQLQQEYEANREEYVMAKIAEQRVEYDRRHMPRHTASLEAVGRELTSLRDRTIETYTARM
 NTLRRARAGERANAAESRIIDELRPIVERQAELOAAFDGFIVDLDFIADHREDDLRLA
 SVNEQKLAADNRVAQLTKEAEERIEGIRVETDKMIASQRKALERQAEFAELKRRDTIV
 AASEERAEREITARLDAEAALKRMEEQIRVNNEAHEAEIVIERDRATQAEANSMTFVES
 VKQQDRSNNIILIAVLIVGLIAGMVAGAAFF

>RXN03024 TRANSLATE of: rxn03024.seq check: 8954 from: 1 to: 1416
 MLERTQVFVDTSYLLASFYNWETGARAQLEIDLPEVVGVLGRMIEQQLKQPVQRQMWYD
 GIPDSGPHRYQALRRTCDGVQLRAGQLIEWGERRTQKAVDTRLVADLVLAGVRGQCSDIV
 LVSGDADMI PGVQEAANAGLRVHLYGFGWDSMSSQLRHCCDTTITLDPREDFAECMQLQV
 LEGPLPPVVRVKPINDAEPIEDLDFTPVPGVASPFEEVSADKEKFSRPPSEPAEALSEQV
 CEAYQEISKHEGQTADSGETESFEAAEIKVTEFFGEPAAPVAESGVEAPTPEAPTPEA
 AKPTPAKPKTPKAEPQKQESPKPGTPKPKAPSPADIPKAPADTEEHSEVEAEIEDSRPK
 IPSPSMMAPRRKLSRYVPLPNEVWATAGFQTPYDVGGQYASWWFENAATSTQRDQAHLL
 SGGGLPPEIDRPLLQFACETLHEYTLTEAQRVALRDGFHSGIRGVLLNQDS

>RXN03025 TRANSLATE of: rxn03025.seq check: 3655 from: 1 to: 873
 MANPLSKGWKYLMAFDNKENADPKIQIQQATEAAQKQHQQIMQHASQIIGQQKQLEM
 KLNRLVTDRLQEQARQAIQLADKSANEGDSVKAQEFNNTAEVFASQLVAVEQQLEQTT
 ALHQQAEEVAAKDAVAKSKESEMRLKEQMSQIDALRAQADQAKMQESVTKSMDSLNQFGTQ
 DSSVPTLDAVREKIERRYADALGAQELTQNTVSDRMAEIAQSGTDMRASARLAELRAEL
 GTSATPKGQLEAGVEDAEELIDETSTPSATPETASPEADAPEASADESEKK

>RXN03027 TRANSLATE of: rxn03027.seq check: 7054 from: 1 to: 135
 MENVYEFLGNLDVLSGSLIGYVDFLGASSKWAGAVADLIGLLG

>RXN03029 TRANSLATE of: rxn03029.seq check: 3295 from: 1 to: 513
 MFGVGYYTTAHLSTLQRPNLRGIPLTFVSVDRAGNMSKRQSATGFHFTHYGGTCPLWNV
 FETFTNPGQVLRQFAQMPDGRNYLWISRTVRHHEARFGEVDKMFAGLGCARHADRTVY

SRGFNLQDLSTATPIGSGCRVCTRENCAQRAFPVHGRINIDAHESTIAPY

>RXN03031 TRANSLATE of: rxn03031.seq check: 9392 from: 1 to: 789
 NNGLNAMAAMTNLPHLRAIQERYFLSIRYLASIMIAVAKADPTLWEELDLRITDALTPV
 TAGEVMIQSSTLSKRIAARIKELDPEPTPEPIKEDYVHVHTTDEATYVRIKISGPNRLI
 LNDIITQLKDTDTEDSLPEALMAFLMEKIQLKITKYLFTPHKHPEQVWSPDYGDIGPEAY
 ANATLVCAKDLDEVAGATEKSYTPSEKMKALIRARDGHCRCFPGCCVPASKCQVDHIIPWA
 EGGPTAANLQLLCQRHHNMKTD

>RXN03032 TRANSLATE of: rxn03032.seq check: 9767 from: 1 to: 285
 MTDGDLADISPRQIGLMTTRTVVEIVRLRHMAQQLERATIMENEYLKEIAALKKELAH
 YKQKDHQNMVIDILGKAIGTRPNPGEGLDEEDAT

>RXN03034 TRANSLATE of: rxn03034.seq check: 6067 from: 1 to: 660
 FPPDRISANGRRYYEPQTRLEFMRIYTTLPHGYRQPFKANNIGHCTVRTWLAAISTFSR
 LPHAFDDAHRFGIERTTPVDDVTTLTADDKRDLVIGYLAQPHGQGQQFLTIFYQLRKHTIM
 AWCAAMTDGDLADISPRQIGLMTTRTVVEIVRLRHMAQQLERATIMENEYLKEIAALK
 KELAHYKQKDHQNMVIDILGKAIGTRPNPGEGLDEEDAT

>RXN03037 TRANSLATE of: rxn03037.seq check: 5439 from: 1 to: 186
 MSVDDLYAVALDHTGKPIPCVLCENAPQIVIIDGCCSLAYTQALGDLAEAEYYGADLAA
 AA

>RXN03041 TRANSLATE of: rxn03041.seq check: 9452 from: 1 to: 498
 MEGPEAFTVAAIAAAAGVSPRTFHNYPFSREDALVQFVVIRVQELTDQLYEFPTSVPPRD
 AIEQLVINQLRDGDAMDSDSAMFRIGEILENDPIKVIDKERLIAPLLEFMVERDKDL
 DKFDXGNSDPFACSGNCLAAAYVLPFRAPGHRRWSRIDPSGMRLD

>RXN03045 TRANSLATE of: rxn03045.seq check: 9805 from: 1 to: 996
 MSITTHVQALTTALNAIDNHLASMLDHGVTDPQYKAIEPDLIALEHTINHHATIAAQTTA
 LAERTNAAQSIGSTHLIDYLTFTFGLSKARAHHRINLAHSLYPIPKPNSGSGNGGNGNP
 DGGPDGGDSGDDSGDDDPDPEPDKPEDGKPDSDKPRRPRISAEKHAIITDELARLNPT
 TPSAEELRNQALSQAIWRTPEDLRTWL RHQVTTANKNNPNPITAMKRRYLSVGKPDADNM
 VRISGLVPAATAALITANTAPLTKRGNLVDLPAAEDMRTRGQRHADALHHIMEIYNHGIV
 TPARGGTASIIISMTTDDLDEINHANSSGESL

>RXN03046 TRANSLATE of: rxn03046.seq check: 2540 from: 1 to: 336
 ASIANSTLNIPVGLGGSNLLLKAQTATPSEPANAQDKLYRFCIANGKRAFSDAQRFLLNA
 DELAELSDYERLAYAITLLDQPGKEAEGRELFPGASPPGLPCRFLGIPDC

>RXN03047 TRANSLATE of: rxn03047.seq check: 8954 from: 1 to: 1416
 MLERTQVFVDTSYLLASFYNWETGARAQLEIDLPEVVGVLGRMIEQQLKQPVQRQMWYD
 GIPDSGPHRYQALRTCDGVQLRAGQLIEWGERRTQKAVDTRLVADLVLAGVRGQCS DIV
 LVSGDADMI PGVQEAANAGLRVHLYGFGWDSMSSQLRHCCDTTILDPREDFAECMQLOV
 LEGPLPPVVRVKPINDAEPIEDLDFTPVPGVASPFEEVSADKDEKFSRPPSEPAEALSEQV
 CEAQYEISKHEGQTADSGEITESFEAAEIKVTEFFGEPAAPVAESGVEAPTPEAPTVEA
 AKPTPAKPKTPKAEPQKQESPKPGTPKPKAPSPADIPKAPADTEEHSEVEAEIEDSRPK
 IPSPSMMAPRRKLRSRYVPLPNEVWATAGFQTPYDVGGQYASWWFENAAATSTQRDQAHLL
 SGGGLPPEIDRPLLQFACETLHEYTLTEAQRVALRDGFHSGIRGVLLNQD

>RXN03048 TRANSLATE of: rxn03048.seq check: 3655 from: 1 to: 873
 MANPLSKGWKYLMAFDNKIDENADPKIQIQQATEAAQKQHQQIMQHASQIIGQQKQLEM
 KLNRLVTDRLQEQARQAIQLADKSANEGDSVKAQEFNNTAEVFASQLVAVEQQLEQTT
 ALHQQAQAEVAAKDAVAKSESEMRLKEQMSQIDALRAQADQAKMQESVTKSMDSL NQFGTQ
 DSSVPTLDVAREKIERRYADALGAQELTQNTVSDRMAEIAQSGTDMRASARLAEALRAEAL
 GTSATPKGQLEAGVEDAEELIDETSTPSATPETASPEADAPEASADESEKK

>RXN03050 TRANSLATE of: rxn03050.seq check: 8926 from: 1 to: 966
 MSITTHVQALTTALNAIDNHLASMLDHGVTDPQYKAIEPDLIALEHTINHHATIAAQTTA
 LAERTNAAHTIGSTHLIDYLTFTFGLSKARAHHRINLAHSLYPIPKPNSGSGNGGNGNP
 DGGPDGGDSGDDSGDDDPDPEPDKPEDGKPDGDKPRGRISAEKHAIITDELARLNPT

TPSAEELRTQALSQAIWRTPEDLRTWLRHHVTTANKNNPNPITAMKRRYLAVGKPDADNM
VRISGLVPAATAALITANTAPLTKRGNLVDLPAAEDMRTRGQRHADALHHIMEIYNHGIV
TPARGGTASIIISMTTDDLDEI

>RXN03053 TRANSLATE of: rxn03053.seq check: 9689 from: 1 to: 1524
FHFTSTEFAGSYSLVTNGLNDVAGEYVGVMRGDVNNSAVLFDVDRWSGHVVCADSSINTS
PLLKRPRVDMWGSKISQAALLNNRRVVHLVLNGAKLDEMGPKELESMTAHVDMTSGDLNM
FELFGKQDEDELSLYSTHMDKIVFMTEQALGDKTSELALLRGKLKETITAFYVDMKMWALN
AGENRDKLRLVGVPHQIPLLSVFSYLDQEYERQKYEGTKDPEMFRAISVLRITYKDLL
DTHGDLFNQHTADGIDSVNSARRVIYDFSGVLRRGAGVAMAQLVNVIGFAVETLGQGDVV
IIHGADGIVDVVDQDYLANQFAYMAERGGRVAYLYSSMDAMLGTVGFNQFQRAAYTILGP
MNVDSVDITYQSLINSQIPMDLARLVTTQNSGASYLRRGSTNNVVFETNLALGVNPYMEQRR
KIEAQRGQRRSKRDKHYGGGTTMVGTAADLDVVAIQAKAEHREERFDEKSARKMKELDDVE
AKELALKTGPKNLDDALAQVEKKRLAKR

>RXN03055 TRANSLATE of: rxn03055.seq check: 6322 from: 1 to: 429
MYSKLLILLFLSEQDSSYECCVGLDGSGRDYIEKLLKGRKLKNHFLEWEDINKADVAR
EEIYKQQLVHLVFTALSTPGEISFVFPQSLMSATLEEDFAALVLEEERTSFRPELSHL
WSLPVGWVAPGLEGFVERNSEAA

>RXN03059 TRANSLATE of: rxn03059.seq check: 9601 from: 1 to: 480
MNSGSTMRRLSLRNIGAHKVRFLTVLAVVLGTSFVSGAMMFTNALSSTFDEAIASSFDG
VDVVVSPNGASEVQGVVETVESLREDSRINHLNINGSQTVVLADADSKAIQTTGGSSLS
IYYSADDAVAQAPELAEGEAPTGTEEV LASKAGAEANGLE

>RXN03062 TRANSLATE of: rxn03062.seq check: 8000 from: 1 to: 522
METPTQDMDVRWLYTQSQLKLREILPTNKTDFDVIQISELVDPTDFIRPNSVVLVSVGIAFA
ETPDGLRDWAHRLADAGVIAIGFGSLTFPQVPQALIDASLHLGLGLFEVPREIPFISIT
SSVRDEQTRRAGRLQQELLLEQERLNSIAISGGIEALCRAAADYLGGAVTIVDS

>RXN03066 TRANSLATE of: rxn03066.seq check: 1968 from: 1 to: 663
MTSDKDTEQLEAAGTEILMPRRRPAQQRSRERFNRILTAARSVLVDLGFESFTFDEVAKR
AEVPIGTLYQFFANKYVLICELDRVDTAEAVAELKKFSDQVPALQWPDILDEFIEHLARL
WRDDPSRRRAVWHAIQSTPATRATAAATEKEMLEIIAEVMRPLARGAGYEERMSLAGLLVH
TVSSLLNYAVRDVNSSEEDFDSIVEEIKRMLISYLFVATG

>RXN03067 TRANSLATE of: rxn03067.seq check: 3872 from: 1 to: 171
VMTAWGAFGEKKNYGKIVQGVIRSTFLINADGTVGMAKYNVRATGHVERIVREITAA

>RXN03068 TRANSLATE of: rxn03068.seq check: 9072 from: 1 to: 120
TKEACDFRDSLSNLNDLDIAVVGISPDPVDKLVSSVRTMS

>RXN03073 TRANSLATE of: rxn03073.seq check: 8068 from: 1 to: 630
MDSVNVLLIGIIVAIAALLPRKGKYGPATLLVAGDWLGVLFSILVMLVFDGLEDLVQG
FLDSIWFGVILLVTGIVSFVATLVSKTDSTRKLDGFLAPVKTPSWKTGAGLILGIVQSA
TSVPFYAGLGYLSVGNFSPEIRYGGGLVYATLALSPLIIVAILVGMVRKYPESPVGRLFE
LIGQNKERVTKWSGYLVSLVLCIMGITSIL

>RXN03085 TRANSLATE of: rxn03085.seq check: 6690 from: 1 to: 351
MSIHIKVDHVLKGEKTYGTTILVDRLWPRGVKKDDLEPDLWLKSVAPTTELKRWFGHDP
AKFSEFSTRYTEELNASNDKDLTLVDATSRHPVTLLYGAARDHNNHAIVLAKWLKK

>RXN03089 TRANSLATE of: rxn03089.seq check: 2217 from: 1 to: 1158
HSLYPIPKPNSGSGNGGNGGNPDGGPDGGDSGDDSDGDDDPDPEPKPEDGKPDSDKPRR
PRISAEKHAIITDELARLNPNTTPSAEELRTQALSQAIWRTPEDLRTWLRHQVTTANKNN
PNPITAMKRRYLSVGKPDADNMVRISGLVPAATAALITANTAPLTKRGNLVDLPAAEDMR
TRGQRHADALHHIMEIYNHGIVTPARGGTASIIISMTTDDLDEINHGDHGDGSLNNLYP
TNTGYSLNLAIEIMNLIAAKYDFAVLDDGETGQPLNVNRMQRSANLTQRIALFASELVCSA
PNCDRPQLECEVHLDPWMRGGLTNLVNLTHQCFNHHPRNDDSRSGVNGKGFMDRDPVTG
RVGHYSASGEGPVFNRSAAADRSGGA

>RXN03098 TRANSLATE of: rxn03098.seq check: 3946 from: 1 to: 624
MPTTDVFNVRRLALEPLADPARATGMASYMRDQFSFLGIPSTPRKEACKPVLSALKELDT
DFVSDCFGAAEREYQYVACDHINRVGITDLGFAKALVQTKSWWDTVDLSLAKPIGAHDDDD
LMKTTWALDEDFWVRRIAIHQGLGRKKNTDAALLAWIIEQNLGSSEFFINKAIGWALRDFA
RHDPSWVRAFVDATDLSPLSRREALKNI

>RXN03099 TRANSLATE of: rxn03099.seq check: 8629 from: 1 to: 675
VVDVAVHDVLQIALARRGEYNLGNALGLEVLGQAFVTPAAGVVYHDGVIDAVFGVINGGW
VIGVDDLDWGAVGPDDVVIIGGDGAIESTVDRIITQQGCALDQVFFTFADHDGAQTST
VIQCLAGNQDAGQQATDAAETVQHDISWVDVGFRTNDRRESVLQEGTQVGAFFGFEEAVGQ
LSQVDRCGTKVHIYQFAQNIQGAQWKFGLGYDVAGVAVRLDDIDV

>RXN03104 TRANSLATE of: rxn03104.seq check: 6257 from: 1 to: 177
LELNAWEDILDLLSWSGSGNGAQDQTVIQVLEGFNAIVILANKQSLVGKQVWATEVDGL

>RXN03106 TRANSLATE of: rxn03106.seq check: 1318 from: 1 to: 192
MSASFDDPNLISLAGLVPTMHLADAASLSTLAQDRLSITGDKGANAGAKIASLVAGMVG
ADSI

>RXN03107 TRANSLATE of: rxn03107.seq check: 669 from: 1 to: 201
MSDFSNAEDLTGKAKEGFGREATDNESLADEGRADQAKADIKDAVENAGEKVKDAANKVL
GAFKKDD

>RXN03113 TRANSLATE of: rxn03113.seq check: 5526 from: 1 to: 1599
VLDFLAANPLIALVILAVGLAIGQIRVFGLSLGAAAVLFVALVVSTANTDIVIPMIVYQ
LGLAMFVYVIGLSAGPAFFSEFAKKGWKLTIEMLLLLATLIGLAWVLIKSLGLDAAIGTG
MFTGALTSTPGMAAVVELIEGIDPSLASEPVIGYSLAYPGAVLGSIVVAAGAKLLKVNH
REDARKEGMITAPLVWKGVLKPGITGRVGDLPRLAGESIIATRIVDDPHTHRLADPDL
ITEGMELLINGTEEAVDRAIKALGEERETKIEDTELIYTRLTVSSPEVAGRTVAELDTVA
HGFMIARIRQGDSEVPKPDVTINYSRIRVVVAPGRVAEVRFLGDSEKSLADVNLLPL
AIGLSLGLLLGAIPPLPGGTTMSLGFGGGPIIAGLILGALKHTGPLTWQMPFHANRTIS
TLGLALFLAGVGTSAAGAFRAALTDSSSLIYMAGGLVITLASALLCAVIGMWVLRRLRWE
AMGVAAGTTTNPAAIISYLNQGTGTDLANRGYATVYPTAMIGKILGAQILFLL

>RXN03115 TRANSLATE of: rxn03115.seq check: 582 from: 1 to: 399
VGKQEKLRIPLDVPGVESEEVGVELLAEGYYLVATLPAVAQDCALGDVVRHHVDEVLEF
QEVAVAGGNKTLRLVDAIAADHVRAQLETGLHVEAPMSEMLTVNIAPDSPSHGLEILL
DDLHAQGVIFRAL

>RXN03122 TRANSLATE of: rxn03122.seq check: 3973 from: 1 to: 147
MTAHHEGAVIDMARDEVTDGQNPQAIALAEQVIEDQAEIAEMEHLNEL

>RXN03134 TRANSLATE of: rxn03134.seq check: 1542 from: 1 to: 351
VAWRVGPGSHEHDIVGSSGFGSEADGGFFPASEGLALDNGAGDAVDVGVSDIDVVKPGA
DFVGVEGLESAGESEVVAVLEFDGFIIEVGGFHQAEDWSEYFCEVEEGSWFDAFFDAG

>RXN03135 TRANSLATE of: rxn03135.seq check: 3240 from: 1 to: 729
LVLDERWVGVLVDKWDEGGVEKRLFAAVLCVVGAGRGHVDERGEVRYGGAEALLSLEG
RVVGVEVEDGGHEVFARGVFLEAAHEVRNGHVEFLWAHGWWYVKQQLTDVNADGARLIGRH
ALQHFELHTVRYPTLHREQMCECYVEKVVAGNAQAQALHVFFAHRPIEDALVIGIGGLFG
RFGCNWPAGDLRVDLHRQISTLDQANLNARPACVDALAAELRQVLDCTEGIGKVRLOHN
SGF

>RXN03138 TRANSLATE of: rxn03138.seq check: 608 from: 1 to: 471
LDIVPKDVAESFAVGEVFLRVLDGVDVDDVPVHSIDGGSDFGGSVWGEHSERAVVLGT
ARTGGSCVVKQISYFFYLASYGRRWQNLVAGAGGEVFGEDCVGAGEVVGVDAGEFVANG
DQSGEVEVVQLLLQGFEGQVGERGKRDRGYAGDLRFC

>RXN03140 TRANSLATE of: rxn03140.seq check: 4447 from: 1 to: 249
VKGIHQEISRIERSHDYLSVREDLHARFDNQLKAHFVDSVLDSIAEGYEGRINRFRKIF
IEMKAVEELRTIAATRPSHLLAA

>RXN03141 TRANSLATE of: rxn03141.seq check: 2295 from: 1 to: 330
VVEATGVAGGNHVATVWHAGVLGVEGCFVDEVDFFVANEVIRHGADVDFDALVIGRVGN
HEALALVGLLSGKVAAGFAAAGLFQGVFGWEGVLDCLLNARDASQSIGVAL

>RXN03146 TRANSLATE of: rxn03146.seq check: 6973 from: 1 to: 471
MNPRIIMLLRIIFGAFLALLVLQVLLAIKIVRDGLNSGELSPLTLTILASFVIIGFGLV
QFIIVCLFALLRLVEDDEIFDAHSLAWVDRIAITIAAGAVLLLPMAYIVAEDDAPGAIV
FGLILAMLITGVSLLVKIMRALLARAIGFSTELSVI

>RXN03147 TRANSLATE of: rxn03147.seq check: 6179 from: 1 to: 252
LEILFKSGLGFFVVIIGAVGEYFGADFCGAGAGGGGLLKLAEYIAGWIAGESADDVFGFVV
CVLRFETFLGVGVCQRGIVWEEHG

>RXN03149 TRANSLATE of: rxn03149.seq check: 777 from: 1 to: 267
VVIGELLPKSYSIVNTEKVVLFVVKPLHYFYKVMFPFIWVLNHSAGLGKLLGVRLVSEG
EETLSQEELTLVALNSYEKGELPKKNIII

>RXN03152 TRANSLATE of: rxn03152.seq check: 1285 from: 1 to: 273
MKLFSRTPLVALGTAAAMAATSISVPAQAEVAPAQVVYVADTVEEETGSSNGSSDIDSD
TILDYVVVITGIVGVLSAGLTFATAFQRSIQ

>RXN03153 TRANSLATE of: rxn03153.seq check: 7794 from: 1 to: 564
MRRIWLLVCGIALTVAGCTSGSTPTTPTVTATPTSEEAASTEPTNDILASQFHPCEVLT
QEQQEVEVGLGLVIVEDAYLGSTGLGCSFGKADREDFSGTWLISTDQANRQFVENQDLETL
DWGSNDNPDLYVHQMSETGRQCEAAVDYDWGRILTVDYLELGEGWEPEILCSDAVEILENL
IKELRGIP

>RXN03154 TRANSLATE of: rxn03154.seq check: 5495 from: 1 to: 912
MLKTTTLITDTLGHVTSTEPTTTAHVPLPDGSSTPVQIWASDNKDSQLVMLWPGFGMGYY
YRPLAAALNKAGFHVAIGELRGQGQSSAKASRKSQWGYHDLASVDFPLQIAAAKKALDLE
EGHPMRFLSHSMGGQISCLFAARPEAEKYNLRAIFGVGAGSPFRPTFSPKMGKRLGLGAV
LLGGIGGHIIVGFWPVKVLGKDLVGYGRQSGTHMREWRFRHKHNSLDDLTAQDINYEVMK
KVSIPITFSRCPDDEDCPQASIDGLASFVPAAQIKMIEIPEALGHNRRWAREPESTVKLFL
EQAL

>RXN03156 TRANSLATE of: rxn03156.seq check: 5548 from: 1 to: 180
MARTTPPPADVLDIIISTVKQITIGIDLAELIQGRALGQAQGEAQGKASAAALEQAPHNEQ

>RXN03162 TRANSLATE of: rxn03162.seq check: 7855 from: 1 to: 396
VHDEHWVWSDEKDADFADDAWHETHINEHAVVADDVLVTEIHELAEADFSVVVDCFGA
LDFSVQWQCGAWLDGCSQFLVYQLDAPNAGAGGATVLEHALTEGQGGWENLVEGLHVVV
RLGVGWHQVGLG

>RXN03167 TRANSLATE of: rxn03167.seq check: 749 from: 1 to: 630
MNTNLPNLYTAFDLDRSESSEALGVLSARDLRLEQMGIQDDPRRAQTVQAFVADPA
KRATYDAQLEAGVPLTWAQIQHLGNFGTLPSTPTAQPFAPQPEPSPEPQQQWNSGQNYA
YGNPTMDYQTQOSYNPMQDQTQASMYAQPFAANTPAPMYNSNQVFNRPTAGTRLWMAILDS
IFAGIAGGIVSGIFGFGSEFLTSMILVL

>RXN03170 TRANSLATE of: rxn03170.seq check: 4430 from: 1 to: 249
LPHAKELAEHLCLLPTPAVPALPTDSGAQFDIHQALSASLATYARNLTLLSHTAENLGNR
ALTGLAEIEDTDDQLAHALERLT

>RXN03172 TRANSLATE of: rxn03172.seq check: 3870 from: 1 to: 1026
PEWKKFNSGDAARVVPDANAELDIIGAPALLADRPSTYANVKTLSRIFAVMRSLGHVTAAS
PVTVFSSHSVLSNVDRGSEHYSGPNGLGEWTSVGRVATNWNQVVDALDEAITVKEVNS
LFTEDAATRIQEAQAAVQAAREAEQIAKEEAKEKVDPYDNSPWAAAGIDPIKVSIDGRTI
YTLRTYLGQPVFLGKFGEISTFNSQKSLRLVHDDHDLARASTWSDMLGINAGETE
LLVHSDNVYSFNGLVKDINTSVDAVDTQOMARAYELMADTADWADDDSMNSYFLANPRMQ
DIYSYMLGGSSTSGYVPHAPFNDHSESWSRELEMLIKRFSKF

>RXN03173 TRANSLATE of: rxn03173.seq check: 9151 from: 1 to: 1098
 LNRDTHHLWVVLTTDSDDFDADSFTTEVIRITGYSRHEVNNGLNAMAAMTNLPHLRAIQE
 RYYFLSIRYLASIMIYAVAKADPTLWEELDLRITDALTPVTAGEVMIQSSTLSKRIAARIK
 ELDPEPTPEPTPKEDYVHVHTTDEATYVRIKISGPNRLILNDIITQLKDTDTEDSLPEAL
 MAFLTEKIQLKITKYLFTPHKHPEQVWSPDYGDIDPEAYANATLVCAKDLDELAGEATEKS
 YTPSEKMKALIRARDGHCRCFPGCCVPASKCQVDHIIPWAEAGGPTAAWNLLQQLCQRHHNMK
 TDGRETADANGLAEIRWIGPMDVPAVTRPTGPLVKAMPRGIWQVLRDRIQARFERIRDR
 ALNKED

>RXN03174 TRANSLATE of: rxn03174.seq check: 9763 from: 1 to: 456
 MLLTILWAIGITAEGMTGALAAGRQKMDLFGVSVIACVTAIGGGSIRDMLLGHYPLVWVE
 KPLYLLLIIGAAILTVSISFLMEHFRVLFLVLDVGLSAFAVIGTQIALEMGYGFIIAVV
 ASVLTGVFGGVMRDLLCDRIPLVFKELYASI

>RXN03177 TRANSLATE of: rxn03177.seq check: 4510 from: 1 to: 666
 VKKKLMLPLIVAALGLSACSSEPAAAPLEAEPLHLLIDGSEGLDNATEGNDTSLSGQP
 INLTVVNGALDIDGSCGKALQAVEDVNLDVASASRALASGDKQVGIAMYSTAEDNDISP
 MDLYADIANACEDPVVDSSDTTYTFGKLDDAPDGAVGFTLDIEVTPDNQGSTVMMIQELG
 NHHIIVAGLETTPEETATVFEAQRTKLEEGQLKQNWQLGWV

>RXN03182 TRANSLATE of: rxn03182.seq check: 2985 from: 1 to: 273
 MTLQLFTDIVSLVFILSGAFLSFSASIGLIRFKDTMSRVHAMTKPQTTGLILTVVGAIIR
 ILGHEHFDQSQRSDLGVLVLLVLFALLTSPV

>RXN03184 TRANSLATE of: rxn03184.seq check: 3926 from: 1 to: 498
 MVGAFFGGGVGGYIPGTILMIAFALMMIATSTAMLRGRKQKKGASKSSLWRVLVDGLVVG
 AVTGLVGAGGGFLVVPALALLGGLSMPVAVGTSLVVITMKSFAGLAGYLTSVQLDWGLVL
 MVTAAAIVGSLAGSRLAGRPETLLRKGFVGVFLVMGVFVLGLELL

>RXN03185 TRANSLATE of: rxn03185.seq check: 4886 from: 1 to: 189
 MNDLAAEGENDPYRMVQQLRRKLSRFVEQKWKRPVIMPTVIPMTAETHIGDDEVRSR
 ESL